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R32-4-C272-A-13-

VOLUME II E BOEING
SPECIFICATION 2681
ENGINE MODEL STF219-B (U)

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PRATT & WHITNEY AIRCRAFT

Division of United Aircraft Corporation
East Hartford 8, Connecticut, U.S.A.

Commercial T.C. No.	Model STF219-B Spec. No.—2681

PRELIMINARY

TURBOFAN ENGINE SPECIFICATION
STF219-B
GUARANTEED CALIBRATION STAND PERFORMANCE

	Sea Level Static Output			
	Basic		Initial Production	
	Jet Thrust Lb.	Max. S.F.C. Lb/Hr/Lb Thrust	Jet Thrust Lb.	Max. S.F.C. Lb/Hr/Lb Thrust
RATING (See General Notes)				
Take-Off				
Fully Augmented	56,000	1.82	51,500	1.87
Non-Augmented	36,000	0.76	31,500	0.69
Maximum				
Fully Augmented	56,000	1.82	51,500	1.87
Maximum Cruise				
Non-Augmented	34,300	0.72	29,600	0.65

The specified ratings are attainable on the test stand at 1962 U.S. Standard Atmospheric (Geometric) conditions, with the specified fuel using the standard jet nozzles and assuming an ejector nozzle system with velocity coefficient of 0.985 and without compressor airbleed or load on accessory drives.

DESCRIPTION AND DIMENSIONS

Installation Drawing No. 537101, Sheet 1
Performance Curve No. T-1688

The STF219-B is a twin spool axial flow turbofan engine with a multi-stage compressor and forward fan driven by a multi-stage reaction turbine. The engine incorporates a full length concentric fan discharge duct with a duct heater and a fully modulating, variable area, convergent exhaust nozzle and also a blow-in-door ejector and reverser.

Engine Diameter, Basic at Room Temperature	See Installation Drawing
Engine Length, Basic at Room Temperature	See Installation Drawing

FUEL AND OIL

Fuel. Refer to Latest Specification	PWA 533
Oil. Refer to Latest Specification	PWA 521 Type II
Oil Consumption, Maximum (As Measured Over a 10-Hour Period)	.4 gal/hr

ESTIMATED DRY WEIGHT

including Standard Equipment, Not to Exceed	9790 lbs.

Date: 10-30-64

Additional Details on Page 2.

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STANDARD EQUIPMENT

Included in Engine Price and Dry Weight

Fuel System Including Gas Generator Control, Duct Heater Control.
Fuel Pumps, and Altitude Compensated Thrust and Speed Control Unit.
Lubrication System Including Oil Tank and Fuel/Oil Cooler.
Engine Ignition System without Power Source.
Variable Area Exhaust Nozzle Including Control System.
Fuel Inlet Manifold. Fuel Boost Pump (Duct Heater).
Windmilling Brake System (Aerodynamic). Blow-in-Door Ejector and
Reverser, Including Control System. Power Take-Off
Gas Generator Thermocouples and Pressure Probes.
Provisions for Duct or Total Output Instrumentation.

Accessory Drives	No. of Drives	Drive Designation	Torque Rating Lb-In Tc	Torque Rating Lb-In Ts	Rotation Drive End
Tachometer (N1)	1	20005XVB	7	50	CW
Tachometer (N2)	1	20005XVB	7	50	CCW
Power Take-Off	1	20002XIIS	1972	7750	CCW
Hydraulic Pump Pads	2	AS468B	1020	6300	CW

See Installation Drawing for Details.

APPENDICES

Appendix A — Estimated Engine Performance and General Requirements
Appendix B — Test Requirements
Appendix C — Estimated Blow-in-Door Ejector and Reverser

GENERAL NOTES

Take-Off Rating — ("Take-Off Thrust"). This rating is intended for take-off use only and is time limited to five minutes. The specified Take-Off Rating is the maximum take-off thrust available at standard temperature and below.

Maximum Rating — ("Maximum Thrust"). This rating is primarily intended for the climb and acceleration condition with augmentation ranging from zero to full duct heat and is normally limited to 30 minutes. This rating is also intended for emergency use at the discretion of the pilot and authorized for aircraft certification where flight at maximum continuous thrust is called for per CAR 13.

Maximum Cruise Rating — ("Cruise Thrust"). This rating is intended for cruise operation with or without augmentation as required for either supersonic or subsonic speeds.

The Installation Drawing must be used only to determine the configuration of necessary parts and details of drives. For special arrangements, consult Pratt & Whitney Aircraft for written recommendations.

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Curve T-1688	Sheets 1 - 103
Installation Dwg.	537101 Sheet 1

VOLUME II E BOEING

PREFATORY NOTE

Specification 2681 covering the STF219-B engine is presented in this volume. This specification supersedes all model specifications submitted previously under the SST program. Appendices to the usual Pratt & Whitney Aircraft commercial engine specification have been included to describe pertinent engine, ejector, and test requirements.

The specification covers the requirements for the initial production and the basic engine. However, because of the early delivery requirements for flight test status engines, the specification requirements shall be considered as design objectives for such engines. The weight of the flight test status engines may be up to 200 pounds over the weight specified for production engines.

Modifications to MIL-E-5i56C contained in the original request for proposal have been included as deviations to MIL-E-5156C for the flight test status testing program.

PRATT & WHITNEY AIRCRAFT
Division of United Aircraft Corporation
East Hartford 8, Connecticut, U.S.A.

Model STF219-B
Spec. No. 2681
Appendix A

PRELIMINARY TURBOFAN ENGINE SPECIFICATION

STF219-B

APPENDIX A

ENGINE PERFORMANCE AND GENERAL REQUIREMENTS

1. SCOPE

This appendix covers the performance and the general requirements for the STF219-B engine.

2. PERFORMANCE

2.1 ALTITUDE PERFORMANCE

A. In addition to the guaranteed calibration stand performance shown in P&WA Specification 2681, the following guarantees shall apply for the high airflow schedule engine.

BASIC ENGINE
STANDARD DAY AMBIENT TEMPERATURE

Thrust Setting	Alt. Ft.	Mach No.	Ram Recov.	Thrust Lb.	TSFC Lb/Hr/Lb	Airflow Lbs/Sec
Maximum						
Max D/H	SL	0	.96	52500	1.86	---
Min D/H	SL	0	.96	39000	1.00	---
D/H Not Lit	SL	0	.96	33900	.77	---
Max D/H	36150	1.2	.98	29400	1.83	---
Cruise						
Partial D/H	65000	2.7	.90	12600	1.48	*
Part Power	36150	.8	.986	4800	.91	---
Part Power	15000	.4	.986	4800	.94	---

INITIAL PRODUCTION ENGINE

STANDARD DAY AMBIENT TEMPERATURE

Thrust Setting	Alt. Ft.	Mach. No.	Ram Recov.	Thrust Lb.	TSFC Lb/Hr/Lb	Airflow Lbs/Sec
Maximum						
Max D/H	SL	0	.96	48000	1.93	---
Min D/H	SL	0	.96	34600	.97	---
D/H Not Lit	SL	0	.96	29400	.71	---
Max D/H	36150	1.2	.98	27300	1.87	---
Cruise						
Partial D/H	65000	2.7	.90	12600	1.55	*
Part Power	36150	.8	.986	4800	.88	---
Part Power	15000	.4	.986	4800	.92	---

*To be included at a later date.

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B. In the event that flight performance data indicates the need for demonstration of the performance guarantees, Pratt & Whitney Aircraft will conduct a special laboratory test on a Pratt & Whitney Aircraft test stand using standard calibration equipment and methods to demonstrate conformance with the guarantee points. Such demonstration will be made using a new production engine. The demonstration of any guaranteed point where the test conditions exceed the capability of the laboratory will be by calculation from test data obtained at test conditions which lie within the capacity of the laboratory.

C. If required per Paragraph (A), ratings quoted above are to be demonstrated on a test stand at 1962 U. S. Atmospheric (Geometric) conditions, with the specified fuel, using a Pratt & Whitney Aircraft bellmouth inlet and indicated ram recovery, the standard jet nozzles, assuming an ejector nozzle system with velocity coefficient of 0.985 and without compressor airbleed or load on accessory drives.

D. For the purpose of practical demonstration, the altitude guarantee will be met if demonstrated within the accuracy of the altitude laboratory equipment.

E. The quoted specific fuel consumptions are maximum values.

F. The quoted net thrusts are minimum values.

2.2 ESTIMATED BASIC ENGINE PERFORMANCE

Estimated engine performance is shown on Curve T-1688, sheets 4 through 59 and pages B-D1 through B-D120 for the basic engine. For the initial production engine, estimated engine performance is shown on Curve T-1688 sheets 61 through 74 and pages B-D121 through B-D124. Information on Curve T-1688 is based on no airbleed or power extraction.

Electronic automatic machine performance data in accordance with SAE ARP 681 will be supplied to the airframe manufacturer in a form agreed to by the airframe manufacturer and P&WA.

Should discrepancies exist, the information in Curve T-1689 shall take precedence.

2. 3 CONDITIONS

Performance estimates are based on the following

a. Ambient conditions in accordance with U. S. Standard Atmosphere 1962 (Geometric).
b. Ram recovery at the engine inlet as shown on Curve T-1688, sheet 57.
c. Radial and circumferential overall pressure distortion at the engine inlet not exceeding 11% except within 1/2 inch at the I. D. and O. D. of the flow annulus.
d. Exhaust ejector nozzle system with velocity coefficient of .985.
e. Fuel as specified in PWA 533.

3. GENERAL REQUIREMENTS

3. 1 OPERATING ENVELOPE

When Pratt & Whitney Aircraft recommended procedures are complied with, the engine shall operate satisfactorily within the pressure altitude and Mach number limits shown on Curve T-1688 sheet 3 with ambient temperatures within the limits shown on Curve T-1688 sheet 56 provided the inlet temperature and pressure are within the limits shown on Curve T-1688 sheet 2.

3. 2 STABILITY

Under steady state operating conditions without augmentation the engine thrust oscillation shall not vary more than ±5% of the thrust available at the particular power lever position and flight condition, but in no event shall the deviation in thrust be more than ±1% of the maximum non-augmented thrust. During steady state operation with any amount of augmentation up to maximum augmentation, the engine thrust oscillation shall not exceed ±1% of the thrust available at that condition.

3. 3 WINDMILLING OPERATION

Pilot-operated emergency provisions are incorporated to aerodynamically reduce rotor speeds during windmilling.

3.4 STARTING

3.4.1 STARTING PROVISIONS

The fuel flow required for engine light off and acceleration to Idle shall be automatically controlled when the fuel control shut-off valve is placed in the starting position with the power lever in the idle position. Automatic actuation of the starter or ignition system will not be provided.

3.4.2 GROUND STARTING

The engine shall start satisfactorily within 60 seconds, from pressurization of the fuel system to the appropriate Idle condition, over the sea level ambient temperature range shown on Curve T-1638, sheet 56 provided:

a. that the recommended starting torque requirements are met;

b. that the fuel temperature requirements are met;

c. that the fuel pressure requirements are met;

d. that the electrical power requirements for starting are met.

3.4.3 INFLIGHT STARTING

The engine shall start satisfactorily, without starter assistance, within the flight conditions shown on Curve T-1688, sheet 2 over the ambient temperature range shown on Curve T-1688, sheet 56 provided:

a. that the fuel temperature requirements are met

b. that the fuel pressure requirements are met

c. that the electrical power requirements for starting are met

3.5 SHUTDOWN

Normal shutdown of the engine shall be accomplished by closing the engine control fuel shut-off valve. Limiting component temperatures must not be exceeded. Normal shutdown of the duct heater shall be accomplished by placing the power lever in any position other than in the thrust augmentation range.

3.6 THRUST TRANSIENTS

The estimated acceleration characteristics of the engine are shown on Curve T-1688, Sheets 76 and 77.

3.7 INLET AIR PRESSURE DISTORTION AND VARIATION ESTIMATES

The estimated capability of the engine to withstand inlet air pressure distortion or variation is described in subparagraphs below where terms are defined as follows:

$P_{t2\ AVE}$ = Average area weighted engine inlet pressure

$P_{t2\ MAX}$ = Maximum P_{t2} measured using instrumentation as recommended by P&WA

$P_{t2\ MIN}$ = Minimum P_{t2} measured using instrumentation as recommended by P&WA.

$$\text{PERCENT OVERALL DISTORTION} = \frac{P_{t2\ MAX} - P_{t2\ MIN}}{P_{t2\ AVE}}$$

3.7.1 The allowable circumferential and radial distortion limits are dependent on the detailed distribution of the distortion. Accordingly, compatibility between engine and inlet shall be determined and agreed upon between the engine and the airplane manufacturers based on detailed analysis of test data. The

estimated allowable overall distortion limits for continuous operation shall be approximately 11 percent of the average absolute total pressure except within 1/2 inch at the I. D. and O. D. of the flow annulus. The effect of distortion within this limit on engine performance may be considered to be negligible.

3.7.2 It is estimated that an overall distortion of 15% except within 1/2 inch of the duct wall will not so adversely affect engine operation as to precipitate engine stall or flame out.

Until engine development confirms that adverse effects of distortion within these limits on engine performance and component durability are tolerable, normal flight operation at this overall distortion level cannot be recommended.

3.7.3 It is estimated that an overall distortion of 25% or more may be expected to result in engine stall and/or flame out. If all operating recommendations of Pratt & Whitney Aircraft are promptly followed, no direct engine damage would be expected. Continuous operation with distortion levels of this magnitude would adversely affect engine durability and could result in component mechanical failure.

3.7.4 The engine is estimated to be capable of experiencing an occasional reduction in stabilized P_{t2} AVE of 75% in 1/10 second without any direct damage. More rapid changes of pressure are not recommended and would be expected to cause adverse engine operation including stall and/or flame out.

3.7.5 The engine is estimated to be capable of experiencing an occasional variation of stabilized P_{t2} AVE of +15% and -75% at a frequency range of up to 5 cycles per second for a maximum of one minute without any direct damage. More rapid fluctuations in pressure are not recommended and would be expected to cause adverse engine operation including stall and/or flame out.

3.8 INLET ANTI-ICING

The engine shall be capable of operation throughout the flight power range without accumulation of ice on the engine components such as to adversely affect engine operation or cause a serious loss of thrust in continuous maximum and intermittent maximum icing conditions as defined in CAR Part 4b. 1(b) (7) and (8).

3.9 ENGINE MOUNTING

Engine mount points and allowable design loads shall be as shown on the installation drawing.

3.9.1 GROUND HANDLING

Attachments for ground handling of the engine shall be provided. The attachments shall be designed for a load factor of 4 based on the engine weight.

3.9.2 ESTIMATED MASS MOMENT OF INERTIA OF ROTATING PARTS

The estimated effective mass moments of inertia of the engine rotors about their axes are 26.8 slug ft^2 for the low rotor and 19.2 slug ft^2 for the high rotor.

3.10 BLEED AIR

The engine shall incorporate provisions for the extraction of bleed air for airframe use in quantities not to exceed those listed below.

High pressure (Compressor Discharge)

At Maximum Cruise Rating and above .... * of primary airflow

At Idle Rating .... * of primary airflow

Low Pressure (Fan Discharge Duct) .... * of fan duct airflow

*To be included at a later date.

3.11 ENGINE FUEL CONTROL SYSTEM

The engine fuel control system shall provide control of the engine for steady state and transient performance specified, including augmentation, when fuel is supplied to the engine fuel inlet connection in accordance with the subparagraphs below. Two levers on the hydromechanical fuel control provide for operation of the engine. The power lever controls thrust in the power range of full reverse, through null thrust and Idle, to Take-Off while the shutoff lever provides for engine shutdown and starting by respectively closing or opening a fuel shutoff valve. A functional representation of the power lever operation is shown on Curve T-1688 sheet 59. A separate manual fuel control system shall not be provided. The system shall provide for recirculation of fuel to the aircraft tanks during windmilling operation and under those conditions where recirculation is required to provide sufficient cooling of engine oil.

3.11.1 FUEL TEMPERATURE AND PRESSURE

3.11.1.1 FUEL TEMPERATURE LIMITS

The fuel provided at the inlet connection must be between that temperature corresponding to a fuel viscosity of 12 centistokes for ground starting or 10°F above the fuel freezing point for all other operations and a maximum of 250°F.

3.11.1.2 FUEL PRESSURE LIMITS

Under normal conditions, fuel pressure at the engine connection must be maintained at not less than 5 psi above true vapor pressure of the fuel and not greater than 50 psig and with a vapor/liquid ratio of zero.

Under emergency conditions, with tank-mounted boost pumps inoperative, the engine shall operate for limited periods under the following inlet conditions, provided the true vapor pressure of the fuel does not exceed 0.5 psi at 175°F and 2.5 psi at 250°F.

Condition	Power	Alt. (Ft.)	Fuel Temp. °F	Inlet Condition Fuel Pressure
1	T.O. D/H	0 - 8000	110°	7.5 psia
2	Max. Cruise D/H	15,000	110°	5.5 psia
3	Max. Cruise D/H	65,000	220°	6.5 psia
4	Max. Cruise Non D/H	40,000	120°	1.7 psia
5	Max. Cruise Non D/H	65,000	220°	2.2 psia

3.11.1.3 FUEL RECIRCULATION

The back pressure at the engine fuel recirculation connection must be maintained between 5 psi and 40 psi above the engine pump inlet pressure and the engine recirculation system shall be capable of providing a return flow of at least 15,000 pph.

3.11.2 CONTROL LEVER TORQUE

The torque required for advancing or retarding the control levers shall not exceed 10 pound inches.

3.11.3 FUEL LEAKAGE

There shall be no combustible fluid leakage from any part of the engine except at the drains provided for this purpose. The combined liquid leakage from the engine overboard drain fittings shall not exceed 10 cc per minute during engine steady state operation.

3.12 LUBRICATION SYSTEM

The engine lubrication system shall be self contained. Compliance with the fuel temperature and fuel recirculation requirements is necessary for satisfactory lubrication of the engine.

3.12.1 OIL SUPPLY

The oil reservoir shall have sufficient useable oil capacity for 10 hours of engine operation.

3.13 ELECTRICAL SYSTEM

At all engine conditions at or above Idle, the engine shall operate safely throughout the complete thrust range in the event of loss of externally supplied electrical power to the engine, except that equipment requiring external electrical power will be inoperative.

3.13.1 EXTERNAL ELECTRICAL POWER

Electrical power from external sources is required by the engine for the following intermittent operations:

ignition, starting.......... .....6 amps, 115 volts, 400 cps

ignition, duct heater..............6 amps, 115 volts, 400 cps

3.13.2 IGNITION PROOF

All electrical components shall be ignition proof in order not to ignite any explosive mixture surrounding the equipment.

3.13.3 CONNECTORS AND CABLES

At a temperature of -40°F, it shall be possible to connect or disconnect electrical connectors and to flex electrical conductors, as necessary for routine maintenance, without damage to these items.

3.14 ENGINE COMPONENT COOLING

The design of the engine components shall be such that they shall operate satisfactorily under the environmental temperatures anticipated at the following conditions:

a. Continuous operation with surrounding air at the maximum ram temperature and a maximum velocity of 25 feet/second;

b. Inflight shutdown from the most adverse condition and continued soaking with surrounding air at the maximum ram temperature and a maximum velocity of 25 feet/second;

c. Ground shutdown with surrounding air at the standard hot day conditions.

3.15 INSTRUMENTATION

3.15.1 The following shall be provided with the engine:

a. Turbine exit pressure probes and averaging manifold;

b. Instrumentation for providing an electrical representation of average turbine inlet temperature;

c. Gas path instrumentation to measure duct output.

3.15.2 Provisions for the following instrumentation shall be as shown on the installation drawing:

a. Low rotor speed tachometer;

b. High rotor speed tachometer;

c. Oil-in temperature;

d. Oil pressure;

e. Primary gas generator fuel flowmeter;

f. Duct heater fuel flowmeter;

g. Pressure drop across oil strainer;

h. Pressure drop across fuel filter;

i. Vibration pickup mounting brackets (2);

j. Fuel pump inlet pressure;

k. Fuel inlet temperature;

l. Thrust reverser position indication.

3.16 IDENTIFICATION PLATE

An identification plate in accordance with the requirements of CAR part 13, paragraph 13.20 shall be affixed to the engine.

3.17 ENGINE CERTIFICATION

The engine shall be designed to meet FAA engine type certificate requirements in accordance with Part 13 of the Civil Air Regulations. The engine certification, when acquired, shall establish that FAA requirements have been met for adequate turbine disc integrity and rotor blade containment without external engine shielding.

3.18 INSTALLATION CHANGES

After delivery of the engine mockup to the aircraft manufacturer, changes to the engine which affect the installation shall be coordinated with the aircraft manufacturer. These shall be incorporated in the mockup in accordance with Pratt & Whitney Aircraft's established procedures, throughout the development program of the engine installation.

PRATT & WHITNEY AIRCRAFT
Division of United Aircraft Corporation
East Hartford 8, Connecticut, U.S.A.

Model STF 219-B

Spec. 2681
Appendix B

PRELIMINARY TURBOFAN ENGINE SPECIFICATION

STF 219-B

APPENDIX B

TESTING REQUIREMENTS

1. SCOPE
Testing requirements for prototype and production engines and component parts of these engines are described in this appendix.

2. ENGINE FLIGHT TEST STATUS
Engine Flight Test Status shall be accomplished by successful completion of sea level and altitude tests in accordance with paragraphs 2.1 and 2.2. The engine shall be equipped with a prototype ejector reverser for these tests.

2.1 SEA LEVEL TESTS
Sea Level tests shall be conducted in accordance with paragraph 4 of MIL-E-5156C dated 22 January 1956 except as modified by subparagraphs below.

2.1.1 (4.2.1.1.2 of MIL-E-5156) VIBRATION MEASURING EQUIPMENT

Revise this paragraph to read: "The vibration equipment used for measurement of engine case vibration shall have frequency response characteristics similar to the response characteristics of equipment used on previously Type Certificated engines."

Date: 10-15-64

2.1.2 (4.2.1.3.1.2 of MIL-E-5156) CORRECTION

Change "ARDC Model Atmosphere 1956 (ASTIA Document 110233)" to "1962 U.S. Standard Atmosphere (Geometric) conditions."

2.1.3 (4.2.1.3.5 of MIL-E-5156) ACCESSORY DRIVES

Add the following to the first sentence: "In the event the accessory is not available or fails during test, it may be replaced with a dummy weight simulating the overhung moment rating of the pad, and the test may be continued."

2.1.4 (4.2.2.1.2 of MIL-E-5156) TEMPERATURE SENSING SYSTEM CALIBRATION

Revise the last sentence to read: "The thermal response of the system shall be measured by a method selected by the contractor."

2.1.5 (4.2.2.1.3 of MIL-E-5156) ENGINE CONTROL SYSTEM CALIBRATION

Add the following to this paragraph: "The calibration shall include a measurement of power lever torque."

2.1.6 (4.2.2.1.4 of MIL-E-5156) ENGINE CALIBRATION

Revise item b. to read:

"b. Transient data: Data required to demonstrate engine starting and thrust transients."

2.1.7 (4.2.2.2. of MIL-E-5156) PROCEDURE

Revise this paragraph to read: "Following the calibration run, the control shall be adjusted to produce at least the Take-off rated thrust with the power lever in the Take-off thrust position. During the test the engine shall be adjusted as necessary to maintain the rated thrust. The test shall be conducted in accordance with 4.2.2.2.1 and 4.2.2.2.2, of MIL-E-5156C, as modified herein. The runs in each cycle shall be performed in a sequence providing optimum facility utilization. The time for changing thrust shall be charged to the duration time at the lower setting. For all power lever movements, the power lever shall be advanced or retarded as applicable in not more than one second during Part 1, and 1 minute during Part 2."

2.1.8 (4.2.2.2.1 of MIL-E-5156) PART I

Revise this paragraph to read: "The sea level endurance test shall consist of 10 cycles of 5 hours each to be conducted in accordance with the schedule listed below. At least three of these cycles shall be at maximum specified fuel inlet pressure. The 2nd and 7th cycles shall be accomplished with at least the maximum permissible bleed airflow. All other cycles shall be with no compressor air bleed flow other than that required for continuous engine operation.

a. Take-off thrust - Maximum Cruise thrust run
Thirty minutes consisting of five six-minute periods, in each of which five minutes are at Take-off fully augmented thrust, and one minute is at Maximum cruise non-augmented thrust.

b. Maximum Cruise thrust run
One hour at Maximum Cruise augmented thrust.

c. Maximum thrust - Idle thrust run
Thrity minutes consisting of five six-minute periods, in each of which four minutes are at Maximum augmented thrust, and two minutes are at Idle thrust.

d. Maximum Cruise non-augmented thrust run
Forty-five minutes at Maximum Cruise non-augmented thrust.

e. 90% Maximum Cruise non-augmented thrust run
Twenty-one minutes at 90% Maximum Cruise non-augmented thrust.

f. Reverse thrust run
Nine minutes of operation in the sequence of power lever positions and time durations as follows: One minute Idle, three minutes maximum reverse thrust, one minute maximum thrust, three minutes maximum reverse thrust and one minute Idle.

g. Thrust transients run
Thirty minutes of thrust transients, consisting of six cycles from Idle thrust to Take-off augmented thrust, maintained at Take-off augmented for 60 ± 3 seconds, retarded to Idle, and maintained for approximately three and one-half minutes. One out of every six cycles will be accomplished with the augmentation light-off at minimum thrust level.

h. Incremental Maximum thrust run
One hour and fifteen minutes consisting of five minutes at each of the following percentages of Maximum nonaugmented thrust:
15, 25, 35, 40, 45, 50, 55, 60, 65, 70, 75, 80, 85, 95, 100. This portion of the test may be revised to include additional time at the vibratory speeds and elimination of some intermediate points."

2.1.9 (4.2.2.2.2 of MIL-E-5156) PART 2

Revise this paragraph to read: "Heated inlet air test - The heated inlet air test shall be conducted on the engine which completed Part 1 above. The test shall consist of five cycles of five hours each in which the engine inlet air, and the air which passes over the engine, shall be at cruise Mach No. and altitude, standard day, predicted supersonic transport ram recovery and flight temperature conditions, with fuel inlet temperatures and pressures from minimum to maximum. If desirable two of the five cycles may be run at intermediate speeds and altitudes (i.e., Mach 1.5 to cruise Mach No.). Further, at least one of the five cycles shall be run at the maximum "Q" conditions shown in the engine flight envelope. This portion of the Flight Test Status endurance test shall be conducted as follows:

a. Maximum thrust run
One hour and 20 minutes at Maximum fully augmented thrust.

b. Maximum supersonic cruise thrust run
One hour and 12 minutes at maximum supersonic cruise thrust using the maximum level of augmentation for normal cruise.

c. Minimum cruise thrust run
Two hours at Maximum Cruise thrust using the minimum level of augmentation.

d. Idle thrust run
Twenty-eight minutes at Idle thrust.

Two augmentation system lightoffs shall be required for each 5-hour cycle."

2.1.10 (4.2.2.2.3 of MIL-E-5156) STARTS

Add the following sentence between the fourth and fifth sentences: "The false starts may be conducted on an outdoor test stand using an engine not necessarily the endurance test engine."

2.1.11 (4.2.2.2.6.1 of MIL-E-5156) STEADY STATE DATA

Add a sentence to this paragraph as follows: "During Part 2, data for determining jet thrust will be measured in lieu of jet thrust."

2.1.12 (4.2.2.2.6.3 of MIL-E-5156) STARTING DATA

Revise this paragraph to read: "During the starts conducted under 4.2.2.2.3 of MIL-E-5156C the following data shall be recorded for each start performed:

Ambient temperature;
Start number;
* Time to ignition:
* Time to starter cut out;
Time to stabilized ground idle RPM:
* RPM at ignition;
* RPM at starter cutout;
Maximum measured gas temperature.

In addition, records of starter torque versus rpm shall be made during calibration, recalibration and 5 successive starts of the endurance test. Starter torque versus rpm testing may be waived if acceptable data is available from another equivalent engine.

Note: Items marked * need be recorded only during calibration, recalibration and 2 successive starts at the beginning and the end of the Endurance test, at least one of which will be after a two hour shutdown. This data will also be recorded during one of the false starts."

2.1.13 (4.2.2.3.3 of MIL-E-5156) TEMPERATURE SENSING SYSTEM CALIBRATION

Revise the last sentence to read: "The thermal response of the system shall be measured by a method selected by the contractor."

2.1.14 (4.3.2.1 of MIL-E-5156) EXPLOSION-PROOF

Add the following sentence to this paragraph: "Hermetically sealed components need not be subjected to this test."

2.1.15 (4.3.3 of MIL-E-5156) FUEL PUMP ALTITUDE-PROOF TEST

Substitute the following for the second sentence: "Test fluid shall be specified engine fuel at a temperature of at least 100°F. The absolute pressure over the fuel in the tank shall be maintained at a value equivalent to 6000 feet standard altitude and the pressure at the engine fuel pump inlet shall be at least 3 psi below this value."

2.1.16 (4.5 of MIL-E-5156) GENERAL INSPECTION

Substitute the following for the second sentence: "The engine and components shall be examined to determine if they conform to all requirements of the contract and specification under which they were built." Add the following sentence to the end of the paragraph: "However, external adjustments normally permitted during routine maintenance may be made at the discretion of the Contractor."

2.2 ALTITUDE TEST

An engine, substantially identical to but not necessarily the same engine which completed Parts 1 and 2 above, shall be subjected to altitude tests to demonstrate altitude performance requirements specified for the selected aircraft manufacturer. The altitude test procedure shall be negotiated. Structural and performance capability of the exhaust system to operate under pressure ratio conditions expected in flight shall be demonstrated as a part of this test.

3. TYPE CERTIFICATION TESTS

Type Certification tests shall be conducted in accordance with CAR 13, Aircraft Engine Airworthiness dated 2/12/63, or subsequent revisions made applicable to the supersonic transport engine. These tests shall demonstrate compliance with engine airworthiness requirements as presented in CAR 13. The tests shall include those described below.

3.1 (ref CAR 13.200) FOREIGN OBJECT INGESTION

The capability of successfully sustaining foreign object damage has been incorporated into the design of this engine. The design is based on that of engines previously Type Certificated. Substantiation of foreign object ingestion capability shall be provided.

3.2 (ref. CAR 13.201) LOW CYCLE FATIGUE

The low cycle fatigue integrity of the engine rotor system will be demonstrated by a supplemental engine being subjected to 1000 alternate periods at take-off and idle thrust conditions.

3.3 (ref. CAR 13.204) BLADE CONTAINMENT

The capability for blade containment has been incorporated into the design of this engine. The design is based that of previously Type Certificated engines which have demonstrated this capability. Substantiation of the blade containment feature shall be provided.

3.4 (ref. CAR 13.205) SURGE CHARACTERISTICS

Substantiation of an adequate margin between compressor stall lines and the range of compressor operating lines, indicating that the engine is free of detrimental surge at sea level and altitude, shall be provided. The information shall consist of engine and rig test data as well as an analytical presentation.

3.5 (ref CAR 13.210) FUEL AND INDUCTION SYSTEMS

3.5.1 ANTI-ICING

Adequacy of the engine air inlet's protection from icing shall be demonstrated in the same manner as for the previously Type Certificated engines. During the anti-icing tests it shall be verified that positive indication of anti-icing airflow is provided.

3.5.2 FUEL DEICING

The ability of the deicing features of the fuel system to perform their intended function shall be substantiated.

3.6 (ref. CAR 13.216) TURBINE ROTORS

3.6.1 CONTROL FAULT ANALYSIS

A fault analysis of the fuel control system shall be provided. This information shall show that a fail-safe system has been designed.

3.6.2 OVERTEMPERATURE TEST

A supplemental engine will be subjected to an observed turbine discharge temperature (T_{t7}) 75°F higher than the recommended maximum measured gas temperature for a period of five (5) minutes.

3.6.3 OVERSPEED TEST

The spin test for evidence of acceptable overspeed integrity of compressor and turbine discs shall consist of rotating the discs at 120 percen. design maximum rotor speed with the disc rim and bore heated to actual operating temperatures.

3.6.4 DISC AND BLADE STRESS

The absence of excessive vibratory stress levels in compressor and turbine blades and discs shall be substantiated. Blade and disc vibratory stress data obtained from engine and rig tests shall be used as the basis for this substantiation.

3.7 (ref. CAR 13.217) THRUST RESPONSE

Substantiation of adequate thrust response characteristics shall be based on data obtained during the Block tests.

3.8 (ref. CAR 13.250-257) BLOCK TESTS

The Block Test shall be conducted in accordance with CAR 13.250 to 13.257 with modifications and additions to the endurance portion of the test as specified below. The engine shall be equipped with an ejector reverser for these tests.

3.8.1 ENDURANCE TEST

The 150 hour endurance test shall be conducted. Sixty hours shall be conducted at sea level test conditions and ninety hours at heated inlet conditions. The test, divided into two parts, shall be conducted as described in paragraphs 3.8.1.1 and 3.8.1.2.

3.8.1.1 SEA LEVEL ENDURANCE

The engine shall be subjected to a 60 hour sea level ambient inlet air endurance test consisting of five cycles of run a. through e. and 20 cycles consisting of run a. and e. only, as listed below.

a. Take-off - Idle thrust run
This run shall consist of 5 successive periods of 10 minutes each, including 5 minutes at Take-off fully augmented thrust and 5 minutes at Idle; followed by one period of 10 minutes, including 5 minutes at Take-off non-augmented thrust and 5 minutes at Idle.

b. Maximum run
The run shall consist of 30 minutes of operation at Maximum thrust. Two runs shall be at full augmentation and three runs shall be non-augmented.

c. Maximum run
This run shall consist of two hours and 30 minutes at Maximum non-augmented thrust.

d. Incremental Maximum run
This run shall consist of 15 minutes of operation at each of 6 approximately equal steps between Maximum non-augmented thrust and 85% Maximum non-augmented thrust.

e. Acceleration and deceleration runs
This run shall consist of a 30 minute period of six thrust transients. Ten (10) runs shall consist of transients from Flight Idle thrust to Maximum fully augmented thrust, remaining at Maximum fully augmented for 30 seconds ± 3 seconds, retarding to Flight Idle conditions, and maintained at Idle conditions for approximately 4 minutes. Fifteen (15) runs shall consist of transients from Minimum Ground Idle thrust to Take-off fully augmented thrust, remaining at Take-off fully augmented thrust for 30 seconds ±3 seconds, and retarding to Minimum Ground Idle for approximately 4 minutes.

3.8.1.2 HEATED INLET AIR ENDURANCE TEST

Following the ambient sea level endurance test a 90 hour heated inlet air endurance test consisting of 10 cycles of runs a through d and an additional 10 cycles of runs c and d as listed below, shall be conducted. During this test the inlet air, and the air which passes over the engine, shall be heated to simulate conditions at supersonic transport cruise Mach No., standard day. For all power lever movements, the power lever shall be advanced or retarded as applicable, in not more than one minute. The time for changing thrust shall be charged to the duration time at the lower setting.

a. Take-off run
This run shall consist of 30 minutes of operation at Take-off thrust. Eight runs shall be with full augmentation and two runs shall be without augmentation.

b. Maximum run
This run shall consist of 30 minutes of operation at Maximum augmented thrust.

c. Maximum run
This run shall consist of 2 hours and 30 minutes of operation at Maximum augmented thrust.

d. Incremental Maximum run
This run shall consist of 15 minutes of operation at each of six approximately equal steps between Maximum fully augmented thrust and Maximum non-augmented thrust.

3.8.2 ALTITUDE TEST

An engine, substantially identical to but not necessarily the same engine which completed the sea level and heated inlet endurance tests above, shall be subjected to altitude tests to demonstrate altitude performance requirements specified for the selected aircraft manufacturer. The altitude test procedure shall be negotiated. Structural and performance capability of the exhaust system to operate under pressure ratio conditions expected in flight shall be demonstrated as a part of this test.

3.8.3 ENGINE COMPONENTS

For those components which cannot be adequately substantiated by the endurance testing portion of the entire engine and where component environment temperatures must be established, functional tests shall be conducted.

3.8.4 GEARBOX SUBSTANTIATION

A 150 hour laboratory test with accessory drives loaded to the continuous torque ratings shall demonstrate satisfactory durability, fulfilling the requirements of CAR Part 13.250. The accessory drives shall also be subjected to static overload torque values for proof of adequacy in sustaining static overload torque.

PRATT & WHITNEY AIRCRAFT

Division of United Aircraft Corporation
East Hartford 8, Connecticut, U.S.A.

Model STF219-B
Spec. No. 2681
Appendix C

ESTIMATED EJECTOR - REVERSER PERFORMANCE

STF219-B

1. INSTALLATION DATA AND DESCRIPTION

Configuration and mounting details are as shown on Installation Drawing No. 537101 Sheet 1. The Ejector-Reverser System consists of the following major components and assemblies:

Mounting Flange
Forebody and Fairing
Support Struts
Hydraulic Actuating Cylinders and
  Mechanical Linkages
Blow-in-Doors
Ejector Shroud
Reverser Flaps
Trailing Edge Flaps

2. DESCRIPTION (Functional)

The blow-in-door ejector is basically an infinitely variable, self-actuated nozzle which aerodynamically adjusts itself to the correct expansion ratio as engine pressure ratio and flight Mach number vary. The nacelle contour, or forebody, blends into a type of flush inlet formed between the forebody and the ejector shroud. A set of self-actuated "blow-in-doors" open or close this passage. Attached to the ejector shroud are a set of self-actuated trailing edge flaps, which vary the ejector exit area. Secondary airflow is passed between the variable fan discharge and the forebody to help reduce internal base areas and to cool the shroud and trailing edge flaps during augmentation.

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2. DESCRIPTION (Cont'd)

At high nozzle pressure ratios where large nozzle area expansion ratios are required, the blow-in doors close and the trailing edge flaps open. In this case the pressures on the inner surface of the doors and flaps are greater than the pressures on the outside, thereby providing an aerodynamic moment. As the pressure ratio begins to decrease, the pressure on the inner surfaces of the trailing edge flaps decrease relative to those on the outside. This causes the flaps to move inward to provide the correct nozzle expansion ratios. The flaps will continue to move inwards with decreasing nozzle pressure ratio until the inner mechanical stop is reached. Further reduction in nozzle pressure ratio results in a continued decrease of the internal pressure relative to the external pressures until the blow-in-doors begin to open allowing external (tertiary) air to enter and aerodynamically control the primary nozzle expansion ratio by filling the exit base area, thus assuring high performance characteristics at off design operation.

For thrust reversal, a set of 12 flaps, stored in the ejector shroud, are actuated to restrict the normal exhaust exit area. Simultaneously, seven of the blow-in-doors are held open, forming the passage for the reversed flow. In the stowed position the reverser flaps blend with the ejector inner wall. Hydraulic actuating cylinders for these reversing functions are contained within the structure and control is integrated with the engine control system in a manner to make the reverse actuation a function of power lever position. The reversing system is designed for ground and subsonic flight operation within the operating envelope shown in Curve T-1688 Sheet 75. In addition, the basic reversing system is used for the "null thrust" feature by providing another position for the 12 reverser flaps.

3. PERFORMANCE

3.1 ESTIMATED PERFORMANCE

Estimated ejector performance for the basic engine and for the initial production engine shall be as shown in Curve No. T-1688 Sheets 60 through 74 .

3.2 PERFORMANCE GUARANTEES

All guaranteed ejector performance is based on the use of secondary airflow, defined as $(W_S \sqrt{T_{TS}})/W_P \sqrt{T_{TP}})$. A minimum of two per cent is required at all conditions (excluding Take Off, which will require no secondary flow) except when operating above 70 percent of maximum duct heat with closed blow-in-doors. At or above these conditions, a minimum of 3 per cent cooling flow is required. The guaranteed performance is further based on an isolated scale model configuration tested in a free flow field with nacelle diameter and ejector length not in excess of that shown on installation drawing 537101, sheet 1.

3.2.1 TAKE-OFF SEA LEVEL STATIC

Thrust specific fuel consumption for the STF219B engine with an ejector-reverser design of general size and shape typified on Installation Drawing No. 537101, sheet 1 and with the reverser in stowed position, will be 0.5 percent greater than that shown on Page 1 of the basic specification. Minimum jet thrust will be equal to the guaranteed values shown on Page 1 of the basic specification minus 0.5 percent. The performance referred to in this paragraph is defined as integral engine performance and does not include possible effects of external aerodynamic losses (such as scrubbing or base drag) which may result from arrangement or exposure of external surfaces.

3.2.2 EJECTOR EFFECT ON PERFORMANCE

For the ejector described above, the effect on performance is as shown below where c_{f_p} is defined as the sum of the gross thrust from the primary stream, the gross thrust of any secondary and tertiary streams, minus the sum of the external pressure or wave drag, the internal drag, and the ram drag of any tertiary air, all divided by the ideal gross thrust of the primary stream.

BASIC ENGINE

Power Setting	Mach. No.	Alt. Ft.	Lb F_n Incl. Ejector Effect	C_{f_p} $^*W_S = .02$
Maximum				
Max D/H	0	SL	52200	.98
Min D/H	0	SL	38800	.98
No D/H	0	SL	33700	.98
Max D/H	1.2	36150	27700	.962
Cruise				
Partial D/H	2.7	65000	12600	.999
Part Power	.8	36150	4800	.941
Part Power	.4	15000	4800	.958

INITIAL PRODUCTION ENGINE

Power Setting	Mach. No.	Alt. Ft.	Lb F_n Incl. Ejector Effect	C_{f_p} $^*W_S = .02$
Maximum				
Max D/H	0	SL	47700	.98
Min D/H	0	SL	34400	.98
No D/H	0	SL	29200	.98
Max D/H	1.2	36150	25700	.960
Cruise				
Partial D/H	2.7	65000	12600	.997
Part Power	.8	36150	4800	.945
Part Power	.4	15000	4800	.954

$$^*W_S = \frac{Was}{Wap}\sqrt{\frac{T_{TS}}{T_{TP}}}$$

3.2.3 REVERSE THRUST

The reversing system described above is designed to provide a maximum total reverse thrust of 35% of the net thrust of the basic engine at a gas generator point equivalent to 28,300 lbs. forward net thrust at standard sea level static conditions when reingestion of exhaust gases from the engine is not experienced.

4. PERFORMANCE DEMONSTRATION

In the event that aircraft performance indicates the need for demonstration of performance guarantees as in paragraph 3 above, Pratt & Whitney Aircraft will conduct special laboratory tests in United Aircraft Corporation test facilities using standard calibration equipment and methods to demonstrate conformance with the guarantee points. Demonstration of items 4.1 and 4.3 will be made using a new production engine.

4.1 TAKE-OFF PERFORMANCE

The quoted rating is attainable at the specified conditions on a test stand approved by Pratt & Whitney Aircraft.

4.2 WINDTUNNEL MODEL PERFORMANCE

The quoted performance as expressed in values of C_{f_p} will be demonstrated and substantiated by scale model test in a free flow field.

4.3 REVERSE THRUST

The quoted rating is attainable at the specified condition on a test stand approved by Pratt & Whitney Aircraft.

[illegible]

TABULATED DATA

This tabulated data presents engine performance for selected operating conditions. The fourth line of each table identifies the engine power setting. At the extreme left of this line the main engine setting is given and the duct heater setting heads appropriate data columns. Data in the columns between maximum duct heat and minimum duct heat are at intermediate levels of duct heating. All Part Power engine settings are without duct heating.

Symbols, definitions and units used in the tabulated performance are as follows:

ALT	altitude, ft.
MO	flight Mach number
VA	flight speed, Knots
WASIZE	desired design airflow size, lb/sec
PAM	ambient pressure, psia
TAM	ambient temperature, °R
PT2/PT2P	ram recovery
PT2	compressor inlet total pressure, psia
TT2	compressor inlet total temperature, °R
WBL3	fan bleed, lb/sec
WBL4	high pressure compressor bleed, lb/sec
HPEXT	horsepower extracted, HP
Power Setting	
FNT	total net thrust for C_V = 0.985 and no ram drag correction for secondary flow
FGT	total gross thrust for C_V = 0.985
WAT	uncorrected total powerplant airflow, lb/sec
WFT	total fuel flow, lb/hr
TSFC	thrust specific fuel consumption, lb/hr/lb
BPR	bypass ratio, duct flow over gas generator flow
WAT2	corrected total powerplant airflow, $\frac{Wa\sqrt{\theta t2}}{t2}$, lb/sec
N1	low pressure rotor speed, rpm
N2	high pressure rotor speed, rpm
PT3D	total pressure at fan discharge, psia
PT4	total pressure at high pressure compressure discharge, psia

TT3D	total temperature at fan discharge, °R
TT4	total temperature at high pressure compressor discharge, °R
PT9	total pressure at gas generator nozzle throat, psia
PTD	total pressure at duct nozzle throat, psia
TT9	total temperature at gas generator nozzle throat, °R
TTD	total temperature at duct nozzle throat, °R
WAS/WAP*	secondary to primary airflow ratio
C_D TOT	total duct loss correction factor
VENG	velocity at gas generator nozzle throat, ft/sec
VDUCT	velocity at duct nozzle throat, ft/sec
AJCDE	gas generator nozzle effective throat area, sq. ft.
AJCDD	duct nozzle effective throat area, sq. ft.

* The effect of secondary flow on ram drag is not included in the total net thrust.

Data for the three airflow schedules shown on Sheet 1 of the performance curves are presented where applicable. The high and low airflow schedule data represent the maximum and minimum airflow schedule limits within the specified engine envelope and weight.

Linear interpolation of the tabulated data for airbleed and power extraction may be made up to the allowable limits specified.

PERFORMANCE WITHOUT AIRBLEED AND WITHOUT POWER EXTRACTION

Pages	T_{AMB}	Power Setting	Flow Schedule
B-D4	STD. Day	Take-Off	Base
B-D5	STD. +27°F	Take-Off	Base
B-D6 to B-D14	STD. Day	Max Thrust	Base
B-D15 to B-D16	STD. Day	Max Thrust	High
B-D17 to B-D18	STD. Day	Max Thrust	Low
B-D19 to B-D26	STD. +20	Max Thrust	Base
B-D27 to B-D28	STD. Day	Cruise	Base
B-D29 to B-D30	STD. Day	Cruise	High
B-D31 to B-D32	STD. Day	Cruise	Low
B-D33 to B-D34	STD. +20°F	Cruise	Base
B-D35 to B-D36	STD. +20	Cruise	High
B-D37 to B-D38	STD. +20	Cruise	Low
B-D39 to B-D43	STD. Day	Part Power	Base
B-D44 to B-D47	STD. +27	Part Power	Base

ALT	0	WASIZE	640	PT2/PT2P 1.000	WBL3 0.
MO	0.	PAM	14.7	PT2 14.7	WBL4 0.
VA KTS	0	TAM	519	TT2 519	HPEXT 0.

TAKE OFF MAX D/H MIN D/H NOT LIT

FNT	55981	52720	51186	49592	47933	46172	41533	36067
FGT	55981	52720	51186	49592	47933	46172	41533	36067
WAT	640	640	640	640	640	640	640	640
WFT	101807	82407	74559	67242	60566	54218	40448	27222
TSFC	1.819	1.563	1.457	1.356	1.264	1.174	0.974	0.755
EPR	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.29
WAT2	640	640	640	640	640	640	640	640
N1	5907	5907	5907	5907	5907	5907	5907	5954
N2	7989	7989	7989	7989	7989	7989	7989	8403
PT3D	39.7	39.7	39.7	39.7	39.7	39.7	39.7	41.5
PT4	179.6	179.6	179.6	179.6	179.6	179.6	179.6	181.2
TT3D	726	726	726	726	726	726	726	739
TT4	1128	1128	1128	1128	1128	1128	1128	1143
PT9	31.7	31.7	31.7	31.7	31.7	31.7	31.7	32.9
PTD	35.4	36.0	36.3	36.6	36.9	37.1	37.6	40.0
TT9	1989	1989	1989	1989	1989	1989	1989	1949
TTD	3560	3000	2750	2500	2250	2000	1480	739
WAS/WAP	0.0471	0.0444	0.0432	0.0419	0.0406	0.0392	0.0358	0.0315
WENG	1970	1970	1970	1970	1970	1970	1970	1970
VDUCT	2617	2407	2307	2203	2093	1976	1667	1216
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
AJCDD	8.93	7.90	7.45	6.99	6.54	6.08	4.94	3.29

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ALT	0	WASIZE	640	PT2/PT2P 1.000	WBL3 0.
MO	0.20	PAM	14.7	PT2 15.1	WBL4 0.
VA KTS	132	TAM	519	TT2 523	HPEXT 0.

TAKE OFF MAX D/H MIN D/H NOT LIT

FNT	53114	49742	48158	46511	44798	42981	38220	32609
FGT	57442	54270	52684	51040	49327	47510	42749	37134
WAT	653	653	653	653	653	653	653	653
WFT	99354	80384	72707	65547	59017	52806	39394	26473
TSFC	1.871	1.616	1.510	1.409	1.317	1.229	1.031	0.812
EPR	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.29
WAT2	637	637	637	637	637	637	637	637
N1	5895	5895	5895	5895	5895	5895	5895	5945
N2	7998	7998	7998	7998	7998	7998	7998	8013
PT3D	40.4	40.4	[illegible]	40.4	40.4	40.4	40.4	42.3
PT4	177.6	177.6	177.6	177.6	177.6	177.6	177.6	184.6
TT3D	729	729	729	729	729	729	729	743
TT4	1132	1132	1132	1132	1132	1132	1132	1140
PT9	32.3	32.3	32.3	32.3	32.3	32.3	32.3	33.4
PTD	36.0	36.7	37.0	37.3	37.6	37.8	38.3	40.8
TT9	1989	1989	1989	1989	1989	1989	1989	1938
TTD	3560	3000	2750	2500	2250	2000	1411	743
WAS/WAP	0.0469	0.0443	[illegible]	0.0418	0.0404	0.0391	0.0357	0.0314
WENG	1970	1970	1970	1970	1970	1970	1970	1969
VDUCT	2617	2407	2307	2203	2093	1976	1640	1207
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
AJCDD	8.96	7.93	7.47	7.02	6.56	6.10	4.96	3.21

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ALT	0	WASIZE	640	PT2/PT2P 1.000	WBL3 0.
MO	0.40	PAM	14.7	PT2 16.4	WBL4 0.
VA KTS	265	TAM	519	TT2 535	HPEXT 0.

TAKE OFF MAX D/H MIN D/H NOT LIT

FNT	53096	49388	47648	45842	43964	41973	36842	30762
FGT	62686	58978	57218	55432	53554	51563	46432	40332
WAT	691	691	691	691	691	691	691	691
WFT	104484	84405	76270	68677	61754	55170	41136	27458
TSFC	1.968	1.709	1.601	1.498	1.405	1.314	1.117	0.893
EPR	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.31
WAT2	629	629	629	629	629	629	629	629
N1	5859	5859	5859	5859	5859	5859	5859	5913
N2	8026	8026	8026	8026	8026	8026	8026	8045
PT3D	42.7	42.7	42.7	42.7	42.7	42.7	42.7	44.7
PT4	186.3	186.3	186.3	186.3	186.3	186.3	186.3	194.1
TT3D	738	738	738	738	738	738	738	752
TT4	1144	1144	1144	1144	1144	1144	1144	1160
PT9	33.8	33.8	33.8	33.8	33.8	33.8	33.8	35.1
PTD	37.9	38.6	38.9	39.2	39.5	39.8	40.3	43.1
TT9	1989	1988	1988	1988	1988	1988	1988	1907
TTD	3560	3000	2750	2500	2250	2000	1429	752
WAS/WAP	0.0464	0.0438	0.0426	0.0413	0.0400	0.0386	0.0353	0.0310
WENG	1970	1970	1970	1970	1970	1970	1970	1969
VDUCT	2617	2407	2308	2203	2093	1976	1673	1226
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
AJCDD	9.08	8.03	7.57	7.11	6.64	6.17	5.09	3.26

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ALT	6000	WASIZE	640	PT2/PT2P 1.000	WBL3 0.
MO	0.	PAM	11.8	PT2 11.8	WBL4 0.
VA KTS	0	TAM	497	TT2 497	HPEXT 0.

TAKE OFF MAX D/H MIN D/H NOT LIT

FNT	48073	45269	43952	42585	41161	39654	35565	30791
FGT	48073	45269	43952	42585	41161	39654	35565	30791
WAT	536	536	536	536	536	536	536	536
WFT	83218	67465	61109	55196	49702	44644	33201	22494
TSFC	1.731	1.490	1.390	1.296	1.209	1.126	0.934	0.731
EPR	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.28
WAT2	655	655	655	655	655	655	655	655
N1	5962	5962	5962	5962	5962	5962	5962	6004
N2	7935	7935	7935	7935	7935	7935	7935	7752
PT3D	33.3	33.3	33.3	33.3	33.3	33.3	33.3	34.8
PT4	146.8	146.8	146.7	146.6	146.8	146.8	146.8	152.2
TT3D	708	708	708	708	708	708	708	721
TT4	1105	1105	1105	1105	1105	1105	1105	1119
PT9	26.8	26.8	26.8	26.8	26.8	26.8	26.8	27.7
PTD	29.7	30.1	30.5	30.7	31.0	31.2	31.6	33.6
TT9	1990	1990	1990	1990	1990	1990	1990	1790
TTD	3560	3000	2750	2500	2250	2000	1391	721
WAS/WAP	0.0481	0.0454	0.0441	0.0428	0.0415	0.0401	0.0365	0.0321
WENG	1971	1971	1971	1971	1971	1971	1971	1970
VDUCT	2617	2407	2307	2203	2093	1976	1657	1201
AJCDE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.21
AJCDD	8.88	7.85	7.40	6.95	6.50	6.04	4.87	3.14

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ALT	6000	WASIZE	640	PT2/PT2P 1.000	WBL3 0.
MO	0.20	PAM	11.8	PT2 12.1	WBL4 0.
VA KTS	130	TAM	497	TT2 501	HPEXT 0.

TAKE OFF MAX D/H MIN D/H ACT LIT

FNT	45799	42890	41538	40129	38656	37100	32910	[illegible]
FGT	49514	46611	45253	43840	42371	40815	36625	31705
WAT	547	547	547	547	547	547	547	547
WFT	83458	67641	61255	55310	49874	44711	33279	22517
TSFC	1.822	1.577	1.475	1.378	1.290	1.205	1.011	0.805
EPR	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.28
WAT2	652	652	652	652	652	652	652	652
N1	5953	5953	5953	5953	5953	5953	5953	5994
N2	7943	7943	7943	7943	7943	7943	7943	7360
PT3D	34.0	34.0	34.0	34.0	34.0	34.0	34.0	35.4
PT4	149.6	149.6	149.6	149.6	149.6	149.6	149.6	155.2
TT3D	712	712	712	712	712	712	712	724
TT4	1109	1109	1109	1109	1109	1109	1109	1124
PT9	27.2	27.2	27.2	27.2	27.2	27.2	27.2	28.3
PTD	30.3	30.9	31.2	31.4	31.6	31.8	32.2	34.3
TT9	1989	1989	1989	1989	1985	1989	1989	1990
TTD	3560	3000	2750	2500	2250	2000	1399	724
WAS/WAP	0.0474	0.0452	0.0439	0.0426	0.0413	0.0399	0.0365	0.0319
WENG	1970	1970	1970	1970	1970	1970	1970	1970
VDUCT	2617	2407	2307	2203	2093	1976	1659	1207
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
AJCDD	8.87	7.84	7.39	6.94	6.49	6.04	4.88	3.15

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ALT	6000	WASIZE	640	PT2/PT2P 1.000	WBL3 0.
MO	0.40	PAM	11.8	PT2 13.2	WBL4 0.
VA KTS	259	TAM	497	TT2 513	HPEXT 0.

TAKE OFF MAX D/H MIN D/H ACT LIT

FNT	45959	42780	41293	39751	38148	36451	31950	26618
FGT	53825	50651	49164	47622	46019	44322	39821	34489
WAT	579	579	579	579	579	579	579	579
WFT	87917	71188	64425	58123	52369	46900	34957	23548
TSFC	1.913	1.664	1.560	1.462	1.373	1.287	1.094	0.885
EPR	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.29
WAT2	644	644	644	644	644	644	644	644
N1	5918	5918	5918	5918	5918	5918	5918	5965
N2	7970	7970	7970	7970	7970	7970	7970	7983
PT3D	35.9	35.9	35.9	35.9	35.9	35.9	35.9	37.5
PT4	158.0	158.0	158.0	158.0	158.0	158.0	158.0	164.0
TT3D	721	721	721	721	721	721	721	734
TT4	1122	1122	1122	1122	1122	1122	1122	1137
PT9	28.8	28.8	28.8	28.8	28.8	28.8	28.8	29.8
PTD	31.9	32.6	32.8	33.1	33.3	33.5	34.0	36.2
TT9	1990	1990	1990	1990	1990	1990	1990	1389
TTD	3560	3000	2750	2500	2250	2000	1403	734
WAS/WAP	0.0473	0.0447	0.0434	0.0421	0.0408	0.0394	0.0360	0.0316
WENG	1970	1970	1970	1970	1970	1970	1970	1970
VDUCT	2617	2407	2307	2203	2093	1976	1644	1211
AJCDE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.21
AJCDD	8.93	7.91	7.46	7.01	6.55	6.09	4.94	3.19

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ALT	0	WASIZE	640	PT2/PT2P	1.000	WBL3	0.
MN	0.	PAM	14.7	PT2	14.7	WBL4	0.
VA KTS	0	TAM	546	TT2	546	HPEXT	0.

TAKE OFF MAX D/H MIN D/H NOT LIT

FNT	50049	47896	46487	45030	43511	41092	37734	32400
FGT	50049	47896	46487	45030	43511	41092	37734	32400
WAT	606	606	606	606	606	606	606	606
WFT	94376	77709	70141	63075	56634	49508	37530	24476
TSFC	1.886	1.623	1.509	1.401	1.302	1.206	0.995	0.755
BPR	1.36	1.36	1.36	1.36	1.36	1.36	1.36	1.34
WAT2	622	622	622	622	622	622	622	622
N1	5817	5817	5817	5817	5817	5817	5817	5875
N2	8037	8037	8037	8037	8037	8037	8037	8059
PT3D	37.0	37.0	37.0	37.0	37.0	37.0	37.0	38.8
PT4	161.1	161.1	161.1	161.1	161.1	161.1	161.1	168.1
TT3D	744	744	744	744	744	744	744	757
TT4	1152	1152	1152	1152	1152	1152	1152	1166
PT6	29.2	29.2	29.2	29.2	29.2	29.2	29.2	30.4
PTD	32.7	33.4	33.6	33.9	34.2	34.4	34.9	37.3
TT6	1990	1990	1990	1990	1990	1990	1990	1989
TTD	3560	3000	2750	2500	2250	2000	1424	757
WAS/WAP	0.0461	0.0434	0.0422	0.0409	0.0396	0.0382	0.0349	0.0307
[illegible]	1970	1970	1970	1970	1970	1970	1970	1976
VDUCT	2617	2407	2304	2203	2093	1976	1676	1233
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
AJCDD	9.32	8.74	7.76	7.27	6.81	6.33	5.17	3.34

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ALT	0	WASIZE	640	PT2/PT2P	1.000	WBL3	0.
MN	0.20	PAM	14.7	PT2	15.1	WBL4	0.
VA KTS	132	TAM	546	TT2	550	HPEXT	0.

TAKE OFF MAX D/H MIN D/H NOT LIT

FNT	47933	44871	43427	41922	40354	38684	34413	29404
FGT	52330	49264	47824	46319	44751	43041	38810	33801
WAT	618	618	618	618	618	618	618	618
WFT	94103	75824	68411	61489	55179	49178	36535	24069
TSFC	1.963	1.690	1.575	1.467	1.367	1.271	1.062	0.819
BPR	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.35
WAT2	619	619	619	619	619	619	619	619
N1	5799	5799	5799	5799	5799	5799	5799	5860
N2	8046	8046	8046	8046	8046	8046	8046	8067
PT3D	37.6	37.6	37.6	37.6	37.6	37.6	37.6	39.5
PT4	163.3	163.3	163.3	163.3	163.3	163.3	163.3	170.3
TT3D	746	746	746	746	746	746	746	759
TT4	1156	1156	1156	1156	1156	1156	1156	1172
PT6	29.7	29.7	29.7	29.7	29.7	29.7	29.7	30.9
PTD	33.2	33.9	34.1	34.4	34.7	34.9	35.4	38.0
TT6	1990	1990	1990	1990	1990	1990	1990	1983
TTD	3560	3000	2750	2500	2250	2000	1426	759
WAS/WAP	0.0459	0.0435	0.0420	0.0406	0.0395	0.0381	0.0348	0.0305
[illegible]	1971	1971	1971	1971	1971	1971	1971	1977
VDUCT	2617	2407	2308	2203	2093	1976	1677	1232
AJCDE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.21
AJCDD	9.40	8.31	7.77	7.26	6.66	6.38	5.21	3.37

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ALT	0	WASIZE	640	PT2/PT2P	1.000	WBL3	0.
MN	0.40	PAM	14.7	PT2	16.4	WBL4	0.
VA KTS	265	TAM	546	TT2	563	HPEXT	0.

TAKE OFF MAX D/H MIN D/H NOT LIT

FNT	47668	44283	42689	41029	39302	37463	32840	27301
FGT	56970	53585	51991	50331	48604	46765	42143	36604
WAT	653	653	653	653	653	653	653	653
WFT	99021	79621	71747	64389	57682	51304	38050	24775
TSFC	2.077	1.798	1.681	1.569	1.468	1.369	1.159	0.907
BPR	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.39
WAT2	610	610	610	610	610	610	610	610
N1	5754	5754	5754	5754	5754	5754	5754	5812
N2	8073	8073	8073	8073	8073	8073	8073	8096
PT3D	39.7	39.7	39.7	39.7	39.7	39.7	39.7	41.6
PT4	170.2	170.2	170.2	170.2	170.2	170.2	170.2	177.8
TT3D	756	756	756	756	756	756	756	768
TT4	1166	1166	1166	1166	1166	1166	1166	1183
PT6	30.9	30.9	30.9	30.9	30.9	30.9	30.9	32.7
PTD	34.9	35.6	35.9	36.2	36.5	36.8	37.3	39.9
TT6	1990	1990	1990	1990	1990	1990	1990	1989
TTD	3560	3000	2750	2500	2250	2000	1434	768
WAS/WAP	0.0455	0.0428	0.0416	0.0403	0.0390	0.0377	0.0344	0.0301
[illegible]	1970	1970	1970	1970	1970	1970	1970	1976
VDUCT	2617	2407	2308	2203	2093	1976	1632	1239
AJCDE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20
AJCDD	9.39	8.46	7.95	7.44	6.97	6.47	5.31	3.45

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ALT	6000	WASIZE	640	PT2/PT2P	1.000	WBL3	0.
MN	0.	PAM	11.8	PT2	11.8	WBL4	0.
VA KTS	0	TAM	524	TT2	524	HPEXT	0.

TAKE OFF MAX D/H MIN D/H NOT LIT

FNT	43800	41256	40058	38811	37513	36133	32496	28744
FGT	43800	41256	40058	38811	37513	36133	32496	28744
WAT	507	507	507	507	507	507	507	507
WFT	78356	63348	57276	51613	46443	41536	30896	20681
TSFC	1.789	1.535	1.430	1.330	1.238	1.150	0.951	0.732
BPR	1.32	1.32	1.32	1.32	1.32	1.32	1.32	1.31
WAT2	636	636	636	636	636	636	636	636
N1	5880	5880	5880	5880	5880	5880	5880	5929
N2	7982	7982	7982	7982	7982	7982	7982	[illegible]
PT3D	31.1	31.1	31.1	31.1	31.1	31.1	31.1	32.5
PT4	137.0	137.0	137.0	137.0	137.0	137.0	137.0	142.5
TT3D	727	727	727	727	727	727	727	740
TT4	1132	1132	1132	1132	1132	1132	1132	1147
PT6	24.9	24.9	24.9	24.9	24.9	24.9	24.9	25.8
PTD	27.5	28.1	28.3	28.5	28.8	28.9	29.3	31.4
TT6	1991	1991	1991	1991	1991	1991	1991	1990
TTD	3560	3000	2750	2500	2250	2000	1409	740
WAS/WAP	0.0464	0.0442	0.0430	0.0417	0.0404	0.0390	0.0356	0.031
[illegible]	1971	1971	1971	1971	1971	1971	1971	1971
VDUCT	2617	2407	2307	2203	2093	1976	1667	1217
AJCDE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.21
AJCDD	9.15	8.09	7.63	7.16	6.69	6.22	5.05	3.26

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ALT	6000	WASIZE	640	PT2/PT2P	1.000	WBL3	0.
MN	0.20	PAM	11.8	PT2	12.1	WBL4	0.
VA KTS	133	TAM	524	TT2	528	HPEXT	0.

TAKE OFF MAX D/H MIN D/H NOT LIT

FNT	41496	38865	37625	36336	34995	33571	29837	25455
FGT	45101	42470	41232	39944	38603	37178	33445	29062
WAT	517	517	517	517	517	517	517	517
WFT	78595	63541	57432	51734	46556	41984	30936	20669
TSFC	1.895	1.635	1.526	1.424	1.330	1.249	1.037	0.812
BPR	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.31
WAT2	633	633	633	633	633	633	633	633
N1	5868	5868	5868	5868	5868	5868	5868	5910
N2	7992	7992	7992	7992	7992	7992	7992	8010
PT3D	31.6	31.6	31.6	31.6	31.6	31.6	31.6	33.1
PT4	139.3	139.3	139.3	139.3	139.3	139.3	139.3	144.9
TT3D	730	730	730	730	730	730	730	743
TT4	1136	1136	1136	1136	1136	1136	1136	1151
PT6	25.3	25.3	25.3	25.3	25.3	25.3	25.3	26.2
PTD	[illegible]	[illegible]	29.0	29.4	29.2	29.3	29.9	31.9
TT6	[illegible]	1991	1991	1991	1991	1991	1991	1990
TTD	3560	3000	2750	2500	2250	2000	1412	744
WAS/WAP	0.0467	0.0445	0.0428	0.0416	0.0402	0.0389	0.0354	0.0312
[illegible]	1971	1971	1971	1971	1971	1971	1971	1971
VDUCT	2617	2407	2307	2203	2093	1976	1669	1219
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
AJCDD	9.29	8.27	7.66	7.19	6.72	6.24	5.08	3.28

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ALT	6000	WASIZE	640	PT2/PT2P	1.000	WBL3	0.
MN	0.40	PAM	11.8	PT2	13.2	WBL4	0.
VA KTS	[illegible]	TAM	524	TT2	541	HPEXT	0.

TAKE OFF MAX D/H MIN D/H NOT LIT

FNT	41421	38513	37163	35740	34276	32713	28604	23908
FGT	49059	46151	44800	43385	41914	40351	36242	31546
WAT	547	547	547	547	547	547	547	547
WFT	82964	66943	60442	54375	48845	43584	32294	21456
TSFC	2.003	1.738	1.626	1.521	1.425	1.332	1.129	0.897
BPR	1.36	1.36	1.36	1.36	1.36	1.36	1.36	1.35
WAT2	625	625	625	625	625	625	625	625
N1	5828	5828	5828	5828	5828	5828	5828	5884
N2	8021	8021	8021	8021	8021	8021	8021	8042
PT3D	33.4	33.4	33.4	33.4	33.4	33.4	33.4	35.0
PT4	145.8	145.8	145.8	145.8	145.8	145.8	145.8	152.0
TT3D	739	739	739	739	739	739	739	752
TT4	1148	1148	1148	1148	1148	1148	1148	1164
PT6	26.5	26.5	26.5	26.5	26.5	26.5	26.5	27.5
PTD	29.8	30.1	30.3	30.5	30.8	31.0	31.4	33.7
TT6	1991	1991	1991	1991	1991	1991	1991	1990
TTD	3560	3000	2750	2500	2250	2000	1420	752
WAS/WAP	0.0463	0.0436	0.0424	0.0411	0.0398	0.0384	0.0351	0.0308
[illegible]	1971	1971	1971	1971	1971	1971	1971	1970
VDUCT	2617	2407	2308	2203	2093	1976	1673	1226
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
AJCDD	9.33	8.29	7.77	7.29	6.81	6.33	5.16	3.33

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ALT             0    WASIZE       640    PT2/PT2P  1.000     WBL3         0.
MO             0.    PAM         14.7    PT2        14.7     WBL4         0.
VA KTS          0    TAM          519    TT2         519     HPEXT        0.

MAXTHR     MAX D/H                                           MIN D/H NOT LIT

FNT         55961    52720    51146    49552    47933    46172    41933    36067
FGT         55961    52720    51146    49552    47933    46172    41933    36067
WAT           640      640      640      640      640      640      640      640
WFT        101807    82401    74559    67242    60588    54218    40841    27222
TSFC        1.819    1.563    1.457    1.356    1.264    1.174    0.974    0.755
BPR          1.30     1.30     1.30     1.30     1.30     1.30     1.30     1.29
WAT2          640      640      640      640      640      640      640      640

N1           5907     5907     5907     5907     5907     5907     5907     5954
N2           7989     7989     7989     7989     7989     7989     7989     8003
PT3D         39.7     39.7     39.7     39.7     39.7     39.7     39.7     41.5
PT4         174.6    174.6    174.6    174.6    174.6    174.6    174.6    181.5
TT3D          726      726      726      726      726      726      726      739
TT4          1128     1128     1128     1128     1128     1128     1128     1143

PT9          31.7     31.7     31.7     31.7     31.7     31.7     31.7     32.9
PTD          35.4     36.0     36.3     36.6     36.9     37.1     37.6     40.0
TT9          1989     1989     1989     1989     1989     1989     1989     1988
TTD          3560     3000     2750     2500     2250     2000     1428      739
WAS/WAP    0.0471   0.0444   0.0432   0.0419   0.0406   0.0392   0.0358   0.0315
VENG         1970     1970     1970     1970     1970     1970     1970     1970
VDUCT        2617     2407     2337     2203     2093     1976     1667     1216
AJCDE        5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDD        8.93     7.90     7.45     6.99     6.54     6.08     4.94     3.20

                              SEP 25, 1964
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ALT             0    WASIZE       640    PT2/PT2P  1.000     WBL3         0.
MO           0.20    PAM         14.7    PT2        15.1     WBL4         0.
VA KTS        132    TAM          519    TT2         523     HPEXT        0.

MAXTHR     MAX D/H                                           MIN D/H NOT LIT

FNT         53114    49742    48158    46511    44798    42981    38220    32405
FGT         57642    54273    52686    51040    49327    47510    42749    37134
WAT           653      653      653      653      653      653      653      653
WFT         99354    80384    72727    65547    59017    52806    39394    26473
TSFC        1.871    1.616    1.510    1.409    1.317    1.229    1.031    0.817
BPR          1.31     1.31     1.31     1.31     1.31     1.31     1.31     1.29
WAT2          637      637      637      637      637      637      637      637

N1           5895     5895     5895     5895     5895     5895     5895     5945
N2           7998     7998     7998     7998     7998     7998     7998     8013
PT3D         40.4     40.4     40.4     40.4     40.4     40.4     40.4     42.3
PT4         177.6    177.6    177.6    177.6    177.6    177.6    177.6    184.6
TT3D          729      729      729      729      729      729      729      743
TT4          1132     1132     1132     1132     1132     1132     1132     1148

PT9          32.3     32.3     32.3     32.3     32.3     32.3     32.3     33.4
PTD          36.6     36.7     37.0     37.3     37.6     37.8     38.3     40.8
TT9          1989     1989     1989     1989     1989     1989     1989     1988
TTD          3560     3000     2750     2500     2250     2000     1411      743
WAS/WAP    0.0469   0.0443   0.0430   0.0418   0.0404   0.0391   0.0357   0.0314
VENG         1970     1970     1970     1970     1970     1970     1970     1969
VDUCT        2617     2407     2337     2203     2093     1976   16[illegible]     1219
AJCDE        5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDD        8.96     7.93     7.47     7.02     6.56     6.10     4.96     3.21

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ALT             0    WASIZE       640    PT2/PT2P  1.000     WBL3         0.
MO           0.40    PAM         14.7    PT2        16.4     WBL4         0.
VA KTS        265    TAM          519    TT2         535     HPEXT        0.

MAXTHR     MAX D/H                                           MIN D/H NOT LIT

FNT         53096    49388    47648    45842    43964    41973    36842    30742
FGT         62686    58978    57238    55432    53554    51563    46432    40332
WAT           691      691      691      691      691      691      691      691
WFT        104486    84405    76270    68677    61754    55170    41134    27458
TSFC        1.968    1.709    1.601    1.498    1.405    1.314    1.117    0.893
BPR          1.33     1.33     1.33     1.33     1.33     1.33     1.33     1.31
WAT2          629      629      629      629      629      629      629      629

N1           5859     5859     5859     5859     5859     5859     5859     5913
N2           8026     8026     8026     8026     8026     8026     8026     8045
PT3D         42.7     42.7     42.7     42.7     42.7     42.7     42.7     44.7
PT4         186.3    186.3    186.3    186.3    186.3    186.3    186.3    194.1
TT3D          738      738      738      738      738      738      738      752
TT4          1144     1144     1144     1144     1144     1144     1144     1160

PT9          33.8     33.8     33.8     33.8     33.8     33.8     33.8     35.1
PTD          37.9     38.6     38.9     39.2     39.5     39.8     40.3     43.1
TT9          1988     1988     1988     1988     1988     1988     1988     1987
TTD          3560     3000     2750     2500     2250     2000     1419      752
WAS/WAP    0.0464   0.0439   0.0426   0.0413   0.0400   0.0386   0.0353   0.0310
VENG         1970     1970     1970     1970     1970     1970     1970     1969
VDUCT        2617     2407     2338     2203     2093     1976     1673     1226
AJCDE        5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDD        9.08     8.03     7.57     7.11     6.64     6.17     5.04     3.26

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ALT             0    WASIZE       640    PT2/PT2P  1.000     WBL3         0.
MO           0.60    PAM         14.7    PT2        19.7     WBL4         0.
VA KTS        397    TAM          519    TT2         556     HPEXT        0.

MAXTHR     MAX D/H                                           MIN D/H NOT LIT

FNT         55654    51346    49330    47237    45065    42763    36978    29987
FGT         71417    67110    65093    63000    60828    58526    52741    45750
WAT           757      757      757      757      757      757      757      757
WFT        114486    92199    83155    74706    67005    59680    44393    29195
TSFC        2.057    1.796    1.686    1.582    1.487    1.396    1.201    0.974
BPR          1.38     1.38     1.38     1.38     1.38     1.38     1.38     1.35
WAT2          615      615      615      615      615      615      615      615

N1           5787     5787     5787     5787     5787     5787     5787     5851
N2           8071     8071     8071     8071     8071     8071     8071     8093
PT3D         46.4     46.4     46.4     46.4     46.4     46.4     46.4     48.7
PT4         199.8    199.8    199.8    199.8    199.8    199.8    199.8    208.9
TT3D          753      753      753      753      753      753      753      766
TT4          1162     1162     1162     1162     1162     1162     1162     1179

PT9          36.2     36.2     36.2     36.2     36.2     36.2     36.2     37.8
PTD          41.0     41.8     42.2     42.5     42.8     43.1     43.7     46.9
TT9          1988     1988     1988     1988     1988     1988     1989     1987
TTD          3560     3000     2750     2500     2250     2000     1432      766
WAS/WAP    0.0457   0.0430   0.0418   0.0405   0.0392   0.0379   0.0346   0.0304
VENG         1970     1970     1970     1970     1970     1970     1970     1969
VDUCT        2617     2407     2308     2203     2093     1976     1680     1237
AJCDE        5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.21
AJCDD        9.34     8.26     7.78     7.30     6.82     6.34     5.20     3.36

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ALT             0    WASIZE       640    PT2/PT2P  1.000     WBL3         0.
MO           0.70    PAM         14.7    PT2        20.4     WBL4         0.
VA KTS        463    TAM          519    TT2         569     HPEXT        0.

MAXTHR     MAX D/H                                           MIN D/H NOT LIT

FNT         57912    53180    50967    48672    46290    43769    37538    29842
FGT         77380    72648    70435    68140    65758    63236    57006    49310
WAT           802      802      802      802      802      802      802      802
WFT        121246    97432    87760    78720    70476    62641    46517    30205
TSFC        2.094    1.832    1.722    1.617    1.523    1.431    1.239    1.012
BPR          1.42     1.42     1.42     1.42     1.42     1.42     1.42     1.39
WAT2          606      606      606      606      606      606      606      606

N1           5740     5740     5740     5740     5740     5740     5740     5799
N2           8098     8098     8098     8098     8098     8098     8098     8121
PT3D         49.1     49.1     49.1     49.1     49.1     49.1     49.1     51.3
PT4         208.2    208.2    208.2    208.2    208.2    208.2    208.2    217.6
TT3D          762      762      762      762      762      762      762      774
TT4          1173     1173     1173     1173     1173     1173     1173     1190

PT9          37.7     37.7     37.7     37.7     37.7     37.7     37.7     39.4
PTD          43.2     44.0     44.4     44.8     45.1     45.4     46.1     49.3
TT9          1988     1988     1988     1988     1988     1988     1988     1987
TTD          3560     3000     2750     2500     2250     2000     1440      774
WAS/WAP    0.0452   0.0426   0.0414   0.0401   0.0388   0.0374   0.0342   0.0300
VENG         1970     1970     1970     1970     1970     1970     1970     1969
VDUCT        2617     2407     2338     2203     2093     1976     1685     1244
AJCDE        5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.20
AJCDD        9.49     8.35     7.90     7.42     6.93     6.44     5.29     3.65

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ALT         15000    WASIZE       640    PT2/PT2P  1.000     WBL3         0.
MO           0.23    PAM          8.3    PT2         8.5     WBL4         0.
VA KTS        125    TAM          465    TT2         469     HPEXT        0.

MAXTHR     MAX D/H                                           MIN D/H NOT LIT

FNT         35772    33514    32456    31359    30215    29011    25607    21670
FGT         38475    36217    35159    34063    32918    31714    28310    24373
WAT           411      411      411      411      411      411      411      411
WFT         63333    51421    46635    42156    38105    34237    25311    17237
TSFC        1.770    1.534    1.437    1.344    1.261    1.180    0.988    0.795
BPR          1.28     1.28     1.28     1.28     1.28     1.28     1.28     1.28
WAT2          674      674      674      674      674      674      674      674

N1           6045     6045     6045     6045     6045     6045     6045     6083
N2           7885     7885     7885     7885     7885     7885     7885     7910
PT3D         25.6     25.6     25.6     25.6     25.6     25.6     25.6     26.7
PT4         112.7    112.7    112.7    112.7    112.7    112.7    112.7    116.6
TT3D          683      683      683      683      683      683      683      695
TT4          1073     1073     1073     1073     1073     1073     1073     1088

PT9          20.6     20.6     20.6     20.6     20.6     20.6     20.6     21.3
PTD          22.8     23.3     23.4     23.6     23.8     23.9     24.3     25.8
TT9          1993     1993     1993     1993     1993     1993     1993     1992
TTD          3560     3000     2750     2500     2250     2000     1368      695
WAS/WAP    0.0495   0.0467   0.0454   0.0441   0.0427   0.0413   0.0374   0.0328
VENG         1972     1972     1972     1972     1972     1972     1972     1972
VDUCT        2617     2407     2337     2203     2093     1976     1643     1179
AJCDE        5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.21
AJCDD        8.86     7.83     7.38     6.93     6.48     6.02     4.81     3.08

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ALT        15000    WASIZE       642    PT2/PT2P  1.000    WBL3       0.
MO          0.40    PAM          8.3    PT2         9.3    WBL4       0.
VA KTS       251    TAM          465    TT2         480    HPEXT      0.

MAXTHR   MAX D/H                                           MIN D/H NOT LIT

FNT        36171    33693    32535    31334    30083    28769    25117    20845
FGT        41908    39431    38272    37072    35821    34506    30855    26582
WAT          436      436      436      436      436      436      436      436
WFT        66959    54332    49250    44529    40193    36086    26739    18169
TSFC       1.851    1.613    1.514    1.421    1.336    1.254    1.065    0.872
BPR         1.29     1.29     1.29     1.29     1.29     1.29     1.29     1.28
WAT2         666      666      666      666      666      666      666      666

N1          6006     6006     6006     6006     6006     6006     6006     6045
N2          7896     7896     7896     7896     7896     7896     7896     7916
PT3D        27.1     27.1     27.1     27.1     27.1     27.1     27.1     28.3
PT4        119.5    119.5    119.5    119.5    119.5    119.5    119.5    123.8
TT3D         693      693      693      693      693      693      693      705
TT4         1085     1085     1085     1085     1085     1085     1085     1100

PT9         21.8     21.8     21.8     21.8     21.8     21.8     21.8     22.6
PTD         24.2     24.7     24.9     25.0     25.2     25.4     25.7     27.4
TT9         1992     1992     1992     1992     1992     1992     1992     1992
TTD         3560     3000     2750     2500     2250     2000     1377      705
WAS/WAP   0.0489   0.0462   0.0445   0.0436   0.0422   0.0408   0.0370   0.0325
VENG        1971     1971     1971     1971     1971     1971     1971     1971
VDUCT       2617     2407     2337     2203     2093     1976     1649     1187
AJCDE       5.20     5.22     5.20     5.20     5.20     5.20     5.20     5.21
AJCDD       8.67     7.44     7.35     6.94     6.49     6.03     4.84     3.11

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ALT        15000    WASIZE       642    PT2/PT2P  1.000    WBL3       0.
MO          0.50    PAM          8.3    PT2         9.8    WBL4       0.
VA KTS       313    TAM          465    TT2         488    HPEXT      0.

MAXTHR   MAX D/H                                           MIN D/H NOT LIT

FNT        37059    34411    33175    31895    30565    29162    25120    20792
FGT        44550    41903    40667    39388    38058    36654    32613    28284
WAT          456      456      456      456      456      456      456      456
WFT        69771    56582    51258    46327    41790    37562    27624    18866
TSFC       1.883    1.644    1.545    1.452    1.368    1.288    1.099    0.907
BPR         1.29     1.29     1.29     1.29     1.29     1.29     1.29     1.29
WAT2         661      661      661      661      661      661      661      661

N1          5982     5982     5982     5982     5982     5982     5982     6022
N2          7908     7909     7908     7908     7908     7909     7909     7927
PT3D        28.3     28.3     28.3     28.3     28.3     28.3     28.3     29.5
PT4        124.7    124.7    124.7    124.7    124.7    124.7    124.7    129.2
TT3D         700      700      700      700      700      700      700      712
TT4         1094     1094     1094     1094     1094     1094     1094     1159

PT9         22.8     22.8     22.8     22.8     22.8     22.8     22.8     23.5
PTD         25.2     25.7     25.9     26.1     26.3     26.5     26.8     28.5
TT9         1992     1992     1992     1992     1992     1992     1992     1991
TTD         3560     3000     2750     2500     2250     2000     1384      712
WAS/WAP   0.0485   0.0458   0.0445   0.0432   0.0418   0.0404   0.0367   0.0323
VENG        1971     1971     1971     1971     1971     1971     1971     1971
VDUCT       2617     2407     2337     2203     2093     1976     1652     1191
AJCDE       5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDD       8.90     7.87     7.42     6.97     6.51     6.05     4.87     3.13

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ALT        15000    WASIZE       640    PT2/PT2P  1.000    WBL3       0.
MO          0.60    PAM          8.3    PT2        10.6    WBL4       0.
VA KTS       376    TAM          465    TT2         499    HPEXT      0.

MAXTHR   MAX D/H                                           MIN D/H NOT LIT

FNT        38360    35524    34172    32793    31361    29851    25776    20937
FGT        47828    44992    43640    42261    40829    39319    35244    30405
WAT          480      480      480      480      480      480      480      480
WFT        73260    59389    53754    48540    43776    39245    29155    19712
TSFC       1.910    1.672    1.573    1.480    1.396    1.315    1.131    0.941
BPR         1.29     1.29     1.29     1.29     1.29     1.29     1.29     1.28
WAT2         654      654      654      654      654      654      654      654

N1          5953     5953     5953     5953     5953     5953     5953     5995
N2          7928     7928     7928     7928     7928     7928     7928     7946
PT3D        29.7     29.7     29.7     29.7     29.7     29.7     29.7     31.0
PT4        131.1    131.1    131.1    131.1    131.1    131.1    131.1    135.9
TT3D         708      708      708      708      708      708      708      721
TT4         1106     1106     1106     1106     1106     1106     1106     1120

PT9         23.9     23.9     23.9     23.9     23.9     23.9     23.9     24.7
PTD         26.4     26.9     27.1     27.3     27.5     27.7     28.1     29.7
TT9         1991     1991     1991     1991     1991     1991     1991     1991
TTD         3560     3000     2750     2500     2250     2000     1391      721
WAS/WAP   0.0480   0.0453   0.0440   0.0427   0.0416   0.0400   0.0364   0.0320
VENG        1971     1971     1971     1971     1971     1971     1971     1971
VDUCT       2617     2407     2337     2203     2093     1976     1657     1200
AJCDE       5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.21
AJCDD       8.97     7.93     7.47     7.02     6.56     6.10     4.92     3.15

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ALT        15000    WASIZE       642    PT2/PT2P  1.000    WBL3       0.
MO          0.80    PAM          8.3    PT2        12.6    WBL4       0.
VA KTS       501    TAM          465    TT2         525    HPEXT      0.

MAXTHR   MAX D/H                                           MIN D/H NOT LIT

FNT        42294    38861    37264    35612    33901    32097    27401    21712
FGT        56591    53159    51562    49910    48199    46395    41699    36010
WAT          544      544      544      544      544      544      544      544
WFT        82476    66685    60296    54337    48901    43732    32557    21806
TSFC       1.950    1.716    1.618    1.526    1.442    1.362    1.189    1.004
BPR         1.32     1.32     1.32     1.32     1.32     1.32     1.32     1.30
WAT2         636      636      636      636      636      636      635      636

N1          5881     5881     5881     5881     5881     5881     5881     5931
N2          7989     7989     7989     7989     7989     7989     7989     8054
PT3D        33.4     33.4     33.4     33.4     33.4     33.4     33.4     35.0
PT4        147.1    147.1    147.1    147.1    147.1    147.1    147.1    153.0
TT3D         729      729      729      729      729      729      729      742
TT4         1133     1133     1133     1133     1133     1133     1133     1148

PT9         26.8     26.8     26.8     26.8     26.8     26.8     26.8     27.7
PTD         29.7     30.2     30.5     30.7     30.9     31.2     31.6     33.7
TT9         1990     1990     1990     1990     1990     1990     1990     1989
TTD         3560     3000     2750     2500     2250     2000     1410      742
WAS/WAP   0.0469   0.0442   0.0430   0.0417   0.0404   0.0390   0.0356   0.0313
VENG        1971     1971     1971     1971     1971     1971     1971     1970
VDUCT       2617     2407     2337     2203     2093     1976     1668     1218
AJCDE       5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDD       9.11     8.05     7.59     7.13     6.66     6.19     5.03     3.25

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ALT        15000    WASIZE       643    PT2/PT2P  1.000    WBL3       0.
MO          1.00    PAM          8.3    PT2        15.7    WBL4       0.
VA KTS       626    TAM          465    TT2         558    HPEXT      0.

MAXTHR   MAX D/H                                           MIN D/H NOT LIT

FNT        48019    43735    41744    39687    37558    35315    29710    22746
FGT        68767    64483    62492    60435    58307    56064    50458    43494
WAT          631      631      631      631      631      631      631      631
WFT        95673    76984    69430    62316    55858    49717    36889    24129
TSFC       1.992    1.760    1.663    1.570    1.487    1.408    1.242    1.061
BPR         1.40     1.40     1.40     1.40     1.40     1.40     1.40     1.37
WAT2         613      613      613      613      613      613      613      613

N1          5769     5769     5769     5769     5769     5769     5769     5831
N2          8063     8063     8063     8063     8063     8063     8063     8085
PT3D        38.4     38.4     38.4     38.4     38.4     38.4     38.4     40.3
PT4        165.3    165.3    165.3    165.3    165.3    165.3    165.3    172.7
TT3D         752      752      752      752      752      752      752      765
TT4         1163     1163     1163     1163     1163     1163     1163     1179

PT9         30.0     30.0     30.0     30.0     30.0     30.0     30.0     31.3
PTD         33.8     34.5     34.7     35.0     35.3     35.6     36.1     38.7
TT9         1990     1990     1990     1990     1990     1990     1990     1989
TTD         3560     3000     2750     2500     2250     2000     1431      765
WAS/WAP   0.0456   0.0430   0.0417   0.0405   0.0392   0.0378   0.0345   0.0303
VENG        1971     1971     1971     1971     1971     1971     1971     1970
VDUCT       2617     2407     2338     2203     2093     1976     1680     1236
AJCDE       5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDD       9.51     8.45     7.91     7.43     6.94     6.45     5.28     3.42

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ALT        25000    WASIZE       642    PT2/PT2P  1.000    WBL3       0.
MO          0.20    PAM          5.5    PT2         5.6    WBL4       0.
VA KTS       120    TAM          430    TT2         433    HPEXT      0.

MAXTHR   MAX D/H                                           MIN D/H NOT LIT

FNT        24920    23350    22613    21848    21047    20205    17629    14733
FGT        26727    25157    24421    23656    22855    22012    19437    16540
WAT          286      286      286      286      286      286      286      286
WFT        44094    35681    32333    29252    26365    23655    16983    11301
TSFC       1.769    1.528    1.430    1.339    1.253    1.171    0.963    0.767
BPR         1.30     1.30     1.30     1.30     1.30     1.30     1.30     1.33
WAT2         684      684      684      684      684      684      684      684

N1          5979     5979     5979     5979     5979     5979     5979     6014
N2          7664     7664     7664     7664     7664     7664     7664     7697
PT3D        17.1     17.1     17.1     17.1     17.1     17.1     17.1     17.8
PT4         75.9     75.9     75.9     75.9     75.9     75.9     75.9     78.5
TT3D         634      634      634      634      634      634      634      645
TT4         1011     1011     1011     1011     1011     1011     1011     1026

PT9         13.8     13.8     13.8     13.8     13.8     13.8     13.8     14.3
PTD         15.1     15.4     15.6     15.7     15.8     16.0     16.2     17.2
TT9         1900     1900     1900     1900     1900     1900     1900     1899
TTD         3560     3000     2750     2500     2250     2000     1323      645
WAS/WAP   0.0512   0.0483   0.0469   0.0455   0.0440   0.0425   0.0381   0.0332
VENG        1927     1927     1927     1927     1927     1927     1927     1927
VDUCT       2617     2407     2337     2203     2092     1976     1617     1136
AJCDE       5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDD       9.37     8.26     7.70     7.30     6.81     6.33     4.95     3.11

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DOWNGRADED AT 3 YEAR INTERVALS;
DECLASSIFIED AFTER 12 YEARS.
DOD DIR 5200.10

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ALT         25000    WASIZE       640    PT2/PT2P  1.000    WBL3        0.
MO           0.40    PAM          5.5    PT2         6.1    WBL4        0.
VA KTS        241    TAM          430    TT2         444    HPEXT        0.

MAXTHR    MAX D/H                                           MIN D/H NOT LIT

FNT         26044    24277    23449    22591    21693    20751    17940    14735
FGT         29936    28165    27337    26478    25581    24638    21828    17622
WAT           308      308      308      308      308      308      308      308
WFT         47639    38609    35035    31679    28578    25663    18617    12509
TSFC        1.829    1.590    1.493    1.402    1.317    1.237    1.038    0.849
BPR          1.30     1.30     1.30     1.30     1.30     1.30     1.30     1.30
WAT2          686      686      686      686      686      686      686      686

N1           6065     6065     6065     6065     6065     6065     6065     6101
N2           7762     7762     7762     7762     7762     7762     7762     7795
PT3D         18.5     18.5     18.5     18.5     18.5     18.5     18.5     19.3
PT4          82.6     82.6     82.6     82.6     82.6     82.6     82.6     85.4
TT3D          649      649      649      649      649      649      649      659
TT4          1036     1036     1036     1036     1036     1036     1036     1050

PT9          15.1     15.1     15.1     15.1     15.1     15.1     15.1     15.4
PTD          16.4     16.7     16.9     17.0     17.2     17.3     17.6     18.7
TT9          1949     1949     1949     1949     1949     1949     1949     1949
TTD          3560     3000     2750     2500     2250     2000     1336      659
WAS/WAP    0.0508   0.0479   0.0465   0.0452   0.0437   0.0422   0.0380   0.0332
VENG         1951     1951     1951     1951     1951     1951     1951     1950
VDUCT        2617     2407     2337     2203     2093     1976     1625     1149
AJCDE        5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDD        9.29     8.20     7.72     7.24     6.76     6.28     4.94     3.12

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ALT         25000    WASIZE       640    PT2/PT2P  1.000    WBL3        0.
MO           0.80    PAM          5.5    PT2         8.3    WBL4        0.
VA KTS        482    TAM          430    TT2         485    HPEXT        0.

MAXTHR    MAX D/H                                           MIN D/H NOT LIT

FNT         31839    29316    28144    26933    25677    24357    20730    16421
FGT         41656    39133    37961    36750    35494    34174    30547    26238
WAT           389      389      389      389      389      389      389      389
WFT         59590    48323    43787    39572    35703    32036    23719    16068
TSFC        1.872    1.648    1.556    1.469    1.390    1.315    1.144    0.979
BPR          1.29     1.29     1.29     1.29     1.29     1.29     1.29     1.29
WAT2          663      663      663      663      663      663      663      663

N1           5987     5987     5987     5987     5987     5987     5987     6027
N2           7889     7889     7889     7889     7889     7889     7889     7907
PT3D         24.0     24.0     24.0     24.0     24.0     24.0     24.0     25.0
PT4         106.0    106.0    106.0    106.0    106.0    106.0    106.0    109.8
TT3D          695      695      695      695      695      695      695      707
TT4          1089     1089     1089     1089     1089     1089     1095     1106

PT9          19.4     19.4     19.4     19.4     19.4     19.4     19.4     20.0
PTD          21.3     21.8     21.9     22.1     22.3     22.4     22.7     24.2
TT9          1993     1993     1993     1993     1993     1993     1993     1993
TTD          3560     3000     2750     2500     2250     2000     1379      707
WAS/WAP    0.0487   0.0460   0.0447   0.0434   0.0420   0.0406   0.0369   0.0326
VENG         1972     1972     1972     1972     1972     1972     1972     1972
VDUCT        2617     2407     2337     2203     2093     1976     1650     1189
AJCDE        5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.21
AJCDD        8.95     7.94     7.48     7.02     6.56     6.10     4.90     3.14

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ALT         25000    WASIZE       640    PT2/PT2P  1.000    WBL3        0.
MO           1.00    PAM          5.5    PT2        10.3    WBL4        0.
VA KTS        602    TAM          430    TT2         515    HPEXT        0.

MAXTHR    MAX D/H                                           MIN D/H NOT LIT

FNT         35624    33312    31867    30172    28135    27212    22945    17746
FGT   [illegible]    47613    46354    44677    43135    41513    37246    32547
WAT           453      453      453      453      453      453      453      453
WFT         69455    55711    49106    43444    40922    36624    27218    18257
TSFC        1.950    1.672    1.541    1.438    1.417    1.346    1.186    1.029
BPR          1.31     1.31     1.31     1.31     1.31     1.31     1.31     1.30
WAT2          642      642      642      642      642      642      642      642

N1           5901     5901     5901     5901     5901     5901     5901     5947
N2           7956     7956     7956     7956     7956     7956     7956     7970
PT3D         27.7     27.7     27.7     27.7     27.7     27.7     27.7     29.0
PT4         122.7    122.7    122.7    122.7    122.7    122.7    122.7    127.3
TT3D          720      720      720      720      720      720      720      733
TT4          1123     1123     1123     1123     1123     1123     1123     1138

PT9          22.3     22.3     22.3     22.3     22.3     22.3     22.3     23.1
PTD          24.6     25.1     25.3     25.5     25.7     25.9     26.2     27.9
TT9          1992     1992     1992     1992     1992     1992     1992     1991
TTD          3560     3000     2750     2500     2250     2000     1402      732
WAS/WAP    0.0474   0.0446   0.0433   0.0421   0.0407   0.0393   0.0354   0.0315
VENG         1971     1971     1971     1971     1971     1971     1971     1971
VDUCT        2617     2407     2307     2222     2093     1976     1663     1210
AJCDE        5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDD        9.13     8.07     7.61     7.14     6.69     6.20     5.03     3.24

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ALT         25000    WASIZE       640    PT2/PT2P  0.997    WBL3        0.
MO           1.10    PAM          5.5    PT2        11.6    WBL4        0.
VA KTS        662    TAM          430    TT2         534    HPEXT        0.

MAXTHR    MAX D/H                                           MIN D/H NOT LIT

FNT         39090    35603    33986    32319    30596    28784    24122    18392
FGT         56137    52650    51033    49366    47643    45831    41169    35439
WAT           491      491      491      491      491      491      491      491
WFT         74473    60123    54313    48892    43949    39248    29153    19379
TSFC        1.905    1.689    1.598    1.513    1.436    1.364    1.209    1.054
BPR          1.35     1.35     1.35     1.35     1.35     1.35     1.35     1.33
WAT2          630      630      630      630      630      630      630      630

N1           5848     5848     5848     5848     5848     5848     5848     5900
N2           7999     7999     7999     7999     7999     7999     7999     8018
PT3D         29.9     29.9     29.9     29.9     29.9     29.9     29.9     31.3
PT4         131.3    131.3    131.3    131.3    131.3    131.3    131.3    136.7
TT3D          733      733      733      733      733      733      733      746
TT4          1141     1141     1141     1141     1141     1141     1141     1156

PT9          23.9     23.9     23.9     23.9     23.9     23.9     23.9     24.8
PTD          26.4     26.9     27.1     27.4     27.6     27.8     28.2     30.2
TT9          1992     1992     1992     1992     1992     1992     1992     1991
TTD          3560     3000     2750     2500     2250     2000     1414      746
WAS/WAP    0.0465   0.0439   0.0426   0.0414   0.0400   0.0387   0.0353   0.0310
VENG         1971     1971     1971     1971     1971     1971     1971     1971
VDUCT        2617     2407     2308     2203     2093     1976     1670     1221
AJCDE        5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.21
AJCDD        9.31     8.23     7.73     7.28     6.80     6.32     5.14     3.31

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ALT         25000    WASIZE       640    PT2/PT2P  0.991    WBL3        0.
MO           1.20    PAM          5.5    PT2        13.1    WBL4        0.
VA KTS        722    TAM          430    TT2         554    HPEXT        0.

MAXTHR    MAX D/H                                           MIN D/H NOT LIT

FNT         42017    38094    36276    34402    32465    30430    25312    18936
FGT         62211    58288    56470    54596    52659    50623    45506    39130
WAT           533      533      533      533      533      533      533      533
WFT         80874    65099    58732    52728    47282    42103    31201    20441
TSFC        1.925    1.709    1.618    1.533    1.456    1.384    1.233    1.079
BPR          1.40     1.40     1.40     1.40     1.40     1.40     1.40     1.37
WAT2          616      616      616      616      616      616      616      616

N1           5778     5778     5778     5778     5778     5778     5778     5839
N2           8042     8042     8042     8042     8042     8042     8042     8064
PT3D         32.2     32.2     32.2     32.2     32.2     32.2     32.2     33.8
PT4         139.6    139.6    139.6    139.6    139.6    139.6    139.6    145.8
TT3D          747      747      747      747      747      747      747      760
TT4          1157     1157     1157     1157     1157     1157     1157     1174

PT9          25.3     25.3     25.3     25.3     25.3     25.3     25.3     26.4
PTD          28.3     28.9     29.1     29.4     29.6     29.8     30.3     32.5
TT9          1991     1991     1991     1991     1991     1991     1991     1990
TTD          3560     3000     2750     2500     2250     2000     1427      760
WAS/WAP    0.0458   0.0432   0.0419   0.0407   0.0393   0.0380   0.0347   0.0304
VENG         1971     1971     1971     1971     1971     1971     1971     1971
VDUCT        2617     2407     2308     2203     2093     1976     1677     1232
AJCDE        5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDD        9.57     8.45     7.96     7.47     6.98     6.48     5.30     3.42

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ALT         25000    WASIZE       640    PT2/PT2P  0.985    WBL3        0.
MO           1.30    PAM          5.5    PT2        14.9    WBL4        0.
VA KTS        783    TAM          430    TT2         575    HPEXT        0.

MAXTHR    MAX D/H                                           MIN D/H NOT LIT

FNT         45284    40850    38796    36679    34492    32194    26569    19365
FGT         69077    64642    62588    60471    58285    55986    50361    43157
WAT           579      579      579      579      579      579      579      579
WFT         88015    70608    63538    56929    50904    45175    33390    21422
TSFC        1.944    1.728    1.638    1.552    1.476    1.403    1.257    1.106
BPR          1.46     1.46     1.46     1.46     1.46     1.46     1.46     1.44
WAT2          602      602      602      602      602      602      602      602

N1           5703     5703     5703     5703     5703     5703     5703     5754
N2           8085     8085     8085     8085     8085     8085     8085     8109
PT3D         34.9     34.9     34.9     34.9     34.9     34.9     34.9     36.6
PT4         148.0    148.0    148.0    148.0    148.0    148.0    148.0    154.5
TT3D          763      763      763      763      763      763      763      774
TT4          1174     1174     1174     1174     1174     1174     1174     1191

PT9          26.8     26.8     26.8     26.8     26.8     26.8     26.8     27.9
PTD          30.5     31.2     31.4     31.7     32.0     32.2     32.7     35.0
TT9          1991     1991     1991     1991     1991     1991     1991     1990
TTD          3560     3000     2750     2500     2250     2000     1441      774
WAS/WAP    0.0451   0.0424   0.0412   0.0399   0.0386   0.0373   0.0340   0.0298
VENG         1971     1971     1971     1971     1971     1971     1971     1971
VDUCT        2617     2407     2308     2203     2093     1976     1685     1244
AJCDE        5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDD        9.81     8.67     8.16     7.66     7.15     6.64     5.45     3.55

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DOWNGRADED AT 3 YEAR INTERVALS;
DECLASSIFIED AFTER 12 YEARS.
DOD DIR 5200.10

ALT	36150	WASIZE	640	PT2/PT2P	1.000	WBL3	0.
MO	0.40	PAM	3.3	PT2	3.7	WBL4	0.
VA KTS	229	TAM	390	TT2	403	HPEXT	0.

MAXTHR	MAX D/H						MIN D/H	NOT LIT
FNT	15967	14888	14381	13852	13297	12712	10788	8676
FGT	18301	17222	16715	16186	15631	15046	13122	11010
WAT	194	194	194	194	194	194	194	194
WFT	29716	23938	21678	19554	17558	15711	10863	6974
TSFC	1.861	1.608	1.507	1.412	1.320	1.236	1.007	0.804
BPR	1.32	1.32	1.32	1.32	1.32	1.32	1.32	.32
WAT2	685	685	685	685	685	685	685	685
N1	5782	5782	5782	5782	5782	5782	5782	5812
N2	7344	7344	7344	7344	7344	7344	7344	7368
PT30	10.9	10.9	10.9	10.9	10.9	10.9	10.9	11.4
PT4	49.1	49.1	49.1	49.1	49.1	49.1	49.1	50.7
TT30	585	585	585	585	585	585	585	594
TT4	941	941	941	941	941	941	941	954
PT9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	9.2
PTD	9.5	9.7	9.8	9.9	10.0	10.1	10.3	11.0
TT9	1758	1758	1758	1758	1758	1758	1758	1758
TTD	3560	3000	2750	2500	2250	2000	1277	594
WAS/WAP	0.0526	0.0495	0.0480	0.0465	0.0450	0.0434	0.0384	0.0330
VENG	1855	1855	1855	1855	1855	1855	1855	1855
VDUCT	2617	2407	2337	2203	2092	1976	1909	1091
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
AJCDO	10.22	8.97	8.43	7.89	7.36	6.83	5.21	3.20

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ALT	36150	WASIZE	640	PT2/PT2P	1.000	WBL3	0.
MO	0.60	PAM	3.3	PT2	4.2	WBL4	0.
VA KTS	344	TAM	390	TT2	418	HPEXT	0.

MAXTHR	MAX D/H						MIN D/H	NOT LIT
FNT	17927	16616	16033	15369	14705	14007	11805	9343
FGT	21846	20535	19922	19287	18624	17925	15724	13262
WAT	217	217	217	217	217	217	217	217
WFT	33351	26910	24362	22027	19819	17757	12509	8170
TSFC	1.860	1.620	1.522	1.433	1.348	1.264	1.060	0.874
BPR	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31
WAT2	684	684	684	684	684	684	684	684
N1	5877	5877	5877	5877	5877	5877	5877	5910
N2	7497	7497	7497	7497	7497	7497	7497	7522
PT30	12.6	12.6	12.6	12.6	12.6	12.6	12.6	13.1
PT4	56.2	56.2	56.2	56.2	56.2	56.2	56.2	58.1
TT30	610	610	610	610	610	610	610	620
TT4	976	976	976	976	976	976	976	990
PT9	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.6
PTD	11.0	11.3	11.4	11.5	11.6	11.7	11.9	12.7
TT9	1832	1832	1832	1832	1832	1832	1832	1831
TTD	3560	3000	2750	2500	2250	2000	1300	620
WAS/WAP	0.0519	0.0488	0.0474	0.0460	0.0445	0.0429	0.0382	0.0331
VENG	1893	1893	1893	1893	1893	1893	1893	1892
VDUCT	2617	2407	2337	2203	2092	1976	1603	1114
AJCDE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.21
AJCDO	9.81	8.65	8.12	7.61	7.10	6.59	5.09	3.16

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ALT	36150	WASIZE	640	PT2/PT2P	1.000	WBL3	0.
MO	0.90	PAM	3.3	PT2	5.6	WBL4	0.
VA KTS	516	TAM	390	TT2	453	HPEXT	0.

MAXTHR	MAX D/H						MIN D/H	NOT LIT
FNT	23632	21734	20853	19944	19000	18012	15149	11815
FGT	31129	29231	28350	27441	26497	25509	22647	19312
WAT	277	277	277	277	277	277	277	277
WFT	43053	34940	31694	28691	25905	23280	17046	11551
TSFC	1.822	1.608	1.520	1.439	1.363	1.292	1.125	0.978
BPR	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.30
WAT2	685	685	685	685	685	685	685	685
N1	6123	6123	6123	6123	6123	6123	6123	6151
N2	7831	7831	7831	7831	7831	7831	7831	7862
PT30	16.8	16.8	16.8	16.8	16.8	16.8	16.8	17.5
PT4	75.0	75.0	75.0	75.0	75.0	75.0	75.0	77.5
TT30	662	662	662	662	662	662	662	673
TT4	1057	1057	1057	1057	1057	1057	1057	1072
PT9	13.7	13.7	13.7	13.7	13.7	13.7	13.7	14.2
PTD	14.8	15.1	15.3	15.4	15.5	15.6	15.9	16.9
TT9	1996	1996	1996	1996	1996	1996	1996	1995
TTD	3560	3000	2750	2500	2250	2000	1349	673
WAS/WAP	0.0504	0.0476	0.0462	0.0449	0.0434	0.0420	0.0379	0.0332
VENG	1973	1973	1973	1973	1973	1973	1973	1973
VDUCT	2617	2407	2337	2203	2093	1976	1632	1160
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
AJCDO	9.25	8.16	7.68	7.21	6.74	6.26	4.95	3.14

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ALT	36150	WASIZE	640	PT2/PT2P	1.000	WBL3	0.
MO	1.00	PAM	3.3	PT2	6.7	WBL4	0.
VA KTS	574	TAM	390	TT2	468	HPEXT	0.

MAXTHR	MAX D/H						MIN D/H	NOT LIT
FNT	25561	23419	22435	21432	20371	19271	16179	12518
FGT	34571	32464	31455	30452	29421	28301	[illegible]	21568
WAT	300	300	300	300	300	300	300	300
WFT	46352	37628	34654	[illegible]	27947	25505	18617	12481
TSFC	1.815	1.606	1.525	1.446	1.367	1.299	[illegible]	[illegible]
BPR	1.31	1.30	1.30	1.30	1.30	1.30	1.30	1.29
WAT2	676	676	676	676	676	676	676	676
N1	6044	6044	6044	6044	6044	6044	6044	[illegible]
N2	7866	7866	7866	7866	7866	7866	7866	[illegible]
PT30	18.6	18.6	18.6	18.6	18.6	18.6	18.6	19.2
PT4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	84.5
TT30	678	678	678	678	678	678	678	689
TT4	1071	1071	1071	1071	1071	1071	1071	1085
PT9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	15.4
PTD	16.3	16.6	16.8	16.9	17.0	17.2	17.4	19.5
TT9	1995	1995	1995	1995	1995	1995	1995	1994
TTD	3560	3000	2750	2500	2250	2000	1366	650
WAS/WAP	0.0476	0.0468	0.0455	0.0441	0.0427	0.0413	0.0374	[illegible]
VENG	1973	1973	1973	1973	1973	1973	1973	1973
VDUCT	2617	2407	2337	2203	2093	1976	1541	1175
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
AJCDO	9.09	8.07	7.54	7.10	6.63	6.16	4.41	3.14

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ALT	36150	WASIZE	640	PT2/PT2P	0.991	WBL3	0.
MO	1.20	PAM	3.3	PT2	7.9	WBL4	0.
VA KTS	688	TAM	390	TT2	503	HPEXT	0.

MAXTHR	MAX D/H						MIN D/H	NOT LIT
FNT	29416	27163	25935	24672	23366	21997	18328	13881
FGT	42649	39995	38768	37504	36199	34829	31160	26714
WAT	355	355	355	355	355	355	355	355
WFT	54319	43975	39401	35918	32364	28990	21470	14430
TSFC	1.822	1.619	1.535	1.456	1.385	1.318	1.171	1.040
BPR	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.30
WAT2	651	651	651	651	651	651	651	651
N1	5930	5930	5930	5930	5930	5930	5930	5972
N2	7910	7910	7910	7910	7910	7910	7910	7923
PT30	21.7	21.7	21.7	21.7	21.7	21.7	21.7	22.6
PT4	96.2	96.2	96.2	96.2	96.2	96.2	96.2	99.8
TT30	708	708	708	708	708	708	708	720
TT4	1108	1108	1108	1108	1108	1108	1108	1122
PT9	17.5	17.5	17.5	17.5	17.5	17.5	17.5	18.1
PTD	19.2	19.6	19.8	19.9	20.1	20.2	20.5	21.8
TT9	1994	1994	1994	1994	1994	1994	1994	1994
TTD	3560	3000	2750	2500	2250	2000	1391	720
WAS/WAP	0.0479	0.0452	0.0439	0.0426	0.0413	0.0399	0.0363	0.0318
VENG	1972	1972	1972	1972	1972	1972	1972	1972
VDUCT	2617	2407	2307	2203	2093	1976	1657	1200
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
AJCDO	9.17	8.11	7.64	7.17	6.70	6.23	5.02	3.23

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ALT	36150	WASIZE	640	PT2/PT2P	0.971	WBL3	0.
MO	1.50	PAM	3.3	PT2	11.7	WBL4	0.
VA KTS	860	TAM	390	TT2	566	HPEXT	0.

MAXTHR	MAX D/H						MIN D/H	NOT LIT
FNT	37852	34047	32289	30480	28615	26659	21809	15639
FGT	58766	54961	53203	51395	49530	47573	42723	36553
WAT	463	463	463	463	463	463	463	463
WFT	70500	56613	50977	45712	40912	36348	26831	17310
TSFC	1.863	1.663	1.579	1.500	1.430	1.363	1.230	1.107
BPR	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.42
WAT2	608	608	608	608	608	608	608	608
N1	5728	5728	5728	5728	5728	5728	5728	5779
N2	8054	8054	8054	8054	8054	8054	8054	8076
PT30	27.7	27.7	27.7	27.7	27.7	27.7	27.7	29.0
PT4	119.0	119.0	119.0	119.0	119.0	119.0	119.0	124.2
TT30	754	754	754	754	754	754	754	765
TT4	1166	1166	1166	1166	1166	1166	1166	1182
PT9	21.6	21.6	21.6	21.6	21.6	21.6	21.6	22.5
PTD	24.2	24.7	24.9	25.1	25.4	25.6	25.9	27.8
TT9	1993	1993	1993	1993	1993	1993	1993	1993
TTD	3560	3000	2750	2500	2250	2000	1432	765
WAS/WAP	0.0454	0.0428	0.0415	0.0403	0.0389	0.0376	0.0343	0.0300
VENG	1972	1972	1972	1972	1972	1972	1972	1972
VDUCT	2617	2407	2338	2203	2093	1976	1681	1237
AJCDE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.21
AJCDO	9.87	8.71	8.20	7.69	7.18	6.67	5.46	3.55

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ALT       36150   WASIZE      640   PT2/PT2P  0.945   WBL3       0.
MO         1.80   PAM         3.3   PT2        17.8   WBL4       0.
VA KTS     1032   TAM         390   TT2         643   HPEXT      0.

MAXTHR   MAX D/H                                      MIN D/H NOT LIT

FNT       48197    42700    40168    37573    34890    32081    25879    17151
FGT       80917    75419    72888    70293    67609    64801    58599    49870
WAT         604      604      604      604      604      604      604      604
WFT       91197    72315    64729    57619    51203    45023    33364    20263
TSFC      1.892    1.694    1.611    1.534    1.468    1.403    1.289    1.181
BPR        1.61     1.61     1.61     1.61     1.61     1.61     1.61     1.59
WAT2        555      555      555      555      555      555      555      555

N1         5516     5516     5516     5516     5516     5516     5516     5556
N2         8193     8193     8193     8193     8193     8193     8193     8225
PT30       36.8     36.8     36.8     36.8     36.8     36.8     36.8     38.4
PT4       145.8    145.8    145.8    145.8    145.8    145.8    145.8    151.7
TT30        817      817      817      817      817      817      817      827
TT4        1229     1229     1229     1229     1229     1229     1229     1244

PT9        26.4     26.4     26.4     26.4     26.4     26.4     26.4     27.3
PTD        31.9     32.6     32.9     33.2     33.5     33.7     34.2     36.5
TT9        1993     1993     1993     1993     1993     1993     1993     1992
TTD        3560     3000     2750     2500     2250     2000     1490      827
WAS/WAP  0.0429   0.0403   0.0391   0.0379   0.0366   0.0352   0.0323   0.0282
VENG       1972     1972     1972     1972     1972     1972     1972     1972
VDUCT      2617     2408     2308     2203     2093     1976     1713     1285
AJCDE      5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.21
AJCDO     10.14     8.95     8.43     7.90     7.38     6.65     5.74     3.83

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ALT       45000   WASIZE      640   PT2/PT2P  1.000   WBL3       0.
MO         0.50   PAM         2.1   PT2         2.5   WBL4       0.
VA KTS      287   TAM         390   TT2         409   HPEXT      0.

MAXTHR   MAX D/H                                      MIN D/H NOT LIT

FNT       10830    10074     9720     9350     8961     8552     7211     5729
FGT       12841    12085    11731    11361    10972    10563     9222     7741
WAT         134      134      134      134      134      134      134      134
WFT       20636    16616    15044    13566    12175    10890     7530     4815
TSFC      1.905    1.649    1.548    1.451    1.359    1.273    1.044    0.840
BPR        1.35     1.35     1.35     1.35     1.35     1.35     1.35     1.35
WAT2        685      685      685      685      685      685      685      685

N1         5848     5848     5848     5848     5848     5848     5848     5875
N2         7350     7350     7350     7350     7350     7350     7350     7368
PT30        7.4      7.4      7.4      7.4      7.4      7.4      7.4      7.7
PT4        33.7     33.7     33.7     33.7     33.7     33.7     33.7     34.8
TT30        589      589      589      589      589      589      589      598
TT4         955      955      955      955      955      955      955      968

PT9         6.1      6.1      6.1      6.1      6.1      6.1      6.1      6.3
PTD         6.3      6.5      6.6      6.6      6.7      6.8      6.9      7.4
TT9        1794     1794     1794     1794     1794     1794     1794     1794
TTD        3560     3000     2750     2500     2250     2000     1280      598
WAS/WAP  0.0524   0.0493   0.0478   0.0464   0.0448   0.0432   0.0383   0.0329
VENG       1874     1874     1874     1874     1874     1874     1874     1874
VDUCT      2617     2407     2327     2203     2092     1976     1591     1094
AJCDE      5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDO     10.67     9.36     8.79     8.23     7.67     7.11     5.42     3.32

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ALT       45000   WASIZE      640   PT2/PT2P  1.000   WBL3       0.
MO         0.80   PAM         2.1   PT2         3.3   WBL4       0.
VA KTS      459   TAM         390   TT2         440   HPEXT      0.

MAXTHR   MAX D/H                                      MIN D/H NOT LIT

FNT       13819    12742    12241    11723    11182    10615     8895     6927
FGT       17812    16735    16234    15716    15175    14608    12887    10920
WAT         166      166      166      166      166      166      166      166
WFT       25825    20886    18920    17111    15415    13824     9908     6563
TSFC      1.869    1.639    1.546    1.460    1.379    1.302    1.114    0.947
BPR        1.34     1.34     1.34     1.34     1.34     1.34     1.34     1.34
WAT2        685      685      685      685      685      685      685      685

N1         6061     6061     6061     6061     6061     6061     6061     6091
N2         7644     7644     7644     7644     7644     7644     7644     7664
PT30        9.5      9.5      9.5      9.5      9.5      9.5      9.5     10.0
PT4        43.6     43.6     43.6     43.6     43.6     43.6     43.6     45.0
TT30        635      635      635      635      635      635      635      645
TT4        1025     1025     1025     1025     1025     1025     1025     1039

PT9         8.0      8.0      8.0      8.0      8.0      8.0      8.0      8.2
PTD         8.3      8.5      8.6      8.7      8.7      8.8      9.0      9.6
TT9        1938     1938     1938     1938     1938     1938     1938     1938
TTD        3560     3000     2750     2500     2250     2000     1323      645
WAS/WAP  0.0511   0.0481   0.0467   0.0453   0.0439   0.0424   0.0380   0.0330
VENG       1945     1945     1945     1945     1945     1945     1945     1945
VDUCT      2617     2407     2307     2203     2092     1976     1617     1136
AJCDE      5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDO     10.01     8.81     8.28     7.76     7.25     6.72     5.25     3.29

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ALT       45000   WASIZE      640   PT2/PT2P  1.000   WBL3       0.
MO         1.00   PAM         2.1   PT2         4.1   WBL4       0.
VA KTS      573   TAM         390   TT2         468   HPEXT      0.

MAXTHR   MAX D/H                                      MIN D/H NOT LIT

FNT       16612    15231    14590    13930    13265    12527    10445     8075
FGT       22521    21142    20501    19841    19156    18418    16995    13590
WAT         196      196      196      196      196      196      196      196
WFT       30693    24707    22351    20249    18262    15169    12006     8084
TSFC      1.835    1.622    1.532    1.453    1.377    1.208    1.149    1.001
BPR        1.32     1.32     1.32     1.32     1.32     1.32     1.32     1.32
WAT2        674      674      674      674      674      674      674      674

N1         6055     6055     6055     6055     6055     6055     6055     6087
N2         7796     7796     7796     7796     7796     7796     7796     7805
PT30       11.7     11.7     11.7     11.7     11.7     11.7     11.7     12.2
PT4        52.9     52.9     52.9     52.9     52.9     52.9     52.9     54.7
TT30        672      672      672      672      672      672      672      683
TT4        1068     1068     1068     1068     1068     1068     1068     1082

PT9         9.7      9.7      9.7      9.7      9.7      9.7      9.7     10.0
PTD        10.3     10.5     10.6     10.7     10.8     10.9     11.1     11.8
TT9        1999     1999     1999     1999     1999     1999     1999     1999
TTD        3560     3000     2750     2500     2250     2000     1359      683
WAS/WAP  0.0497   0.0469   0.0455   0.0441   0.0427   0.0413   0.0376   0.0327
VENG       1975     1975     1975     1975     1975     1975     1975     1975
VDUCT      2617     2407     2307     2203     2093     1976     1659     1167
AJCDE      5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDO      9.49     8.37     7.98     7.55     6.90     6.41     5.09     3.24

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ALT       45000   WASIZE      640   PT2/PT2P  0.991   WBL3       0.
MO         1.20   PAM         2.1   PT2         5.2   WBL4       0.
VA KTS      688   TAM         390   TT2         502   HPEXT      0.

MAXTHR   MAX D/H                                      MIN D/H NOT LIT

FNT       19409    17680    16860    16035    15203    14309    11888     8964
FGT       27809    26080    25280    24456    23603    22709    20288    17364
WAT         233      233      233      233      233      233      233      233
WFT       35716    28886    26132    23572    21226    19001    14002     9348
TSFC      1.840    1.634    1.548    1.470    1.396    1.328    1.178    1.043
BPR        1.34     1.34     1.34     1.34     1.34     1.34     1.34     1.33
WAT2        651      651      651      651      651      651      651      651

N1         5932     5932     5932     5932     5932     5932     5932     5969
N2         7873     7873     7873     7873     7873     7873     7873     7889
PT30       13.8     13.8     13.8     13.8     13.8     13.8     13.8     14.5
PT4        62.4     62.4     62.4     62.4     62.4     62.4     62.4     64.6
TT30        702      702      702      702      702      702      702      714
TT4        1105     1105     1105     1105     1105     1105     1105     1119

PT9        11.4     11.4     11.4     11.4     11.4     11.4     11.4     11.8
PTD        12.2     12.4     12.5     12.6     12.7     12.8     13.0     13.9
TT9        1998     1998     1998     1998     1998     1998     1998     1998
TTD        3560     3000     2750     2500     2250     2000     1386      714
WAS/WAP  0.0480   0.0452   0.0440   0.0427   0.0413   0.0399   0.0362   0.0317
VENG       1974     1974     1974     1974     1974     1974     1974     1974
VDUCT      2617     2407     2307     2203     2093     1976     1654     1195
AJCDE      5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDO      9.56     8.44     7.95     7.46     6.96     6.47     5.20     3.33

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ALT       45000   WASIZE      640   PT2/PT2P  0.971   WBL3       0.
MO         1.50   PAM         2.1   PT2         7.7   WBL4       0.
VA KTS      860   TAM         390   TT2         566   HPEXT      0.

MAXTHR   MAX D/H                                      MIN D/H NOT LIT

FNT       24666    22180    21031    19848    18628    17347    14138    10065
FGT       38357    35871    34722    33539    32319    31038    27829    23756
WAT         303      303      303      303      303      303      303      303
WFT       46391    37212    33489    30013    26843    23829    17492    11192
TSFC      1.881    1.678    1.592    1.512    1.441    1.374    1.237    1.112
BPR        1.48     1.48     1.48     1.48     1.48     1.48     1.48     1.46
WAT2        608      608      608      608      608      608      608      608

N1         5716     5716     5716     5716     5716     5716     5716     5762
N2         8020     8020     8020     8020     8020     8020     8020     8043
PT30       17.7     17.7     17.7     17.7     17.7     17.7     17.7     18.5
PT4        76.9     76.9     76.9     76.9     76.9     76.9     76.9     80.2
TT30        748      748      748      748      748      748      748      760
TT4        1162     1162     1162     1162     1162     1162     1162     1178

PT9        14.0     14.0     14.0     14.0     14.0     14.0     14.0     14.5
PTD        15.3     15.7     15.8     16.0     16.1     16.2     16.5     17.7
TT9        1997     1997     1997     1997     1997     1997     1997     1996
TTD        3560     3000     2750     2500     2250     2000     1427      740
WAS/WAP  0.0455   0.0428   0.0416   0.0403   0.0390   0.0376   0.0342   0.0299
VENG       1974     1974     1974     1974     1974     1974     1974     1974
VDUCT      2617     2407     2308     2203     2093     1976     1678     1232
AJCDE      5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.21
AJCDO     10.29     9.07     8.54     8.00     7.46     6.93     5.65     3.66

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ALT	45000	WASIZE	640	PT2/PT2P	0.945	WBL3	0.
MO	1.80	PAM	2.1	PT2	11.7	WBL4	0.
VA KTS	1032	TAM	390	TT2	643	HPEXT	0.

MAXTHR	MAX D/H						MIN D/H	NOT LIT
FNT	31443	27846	26189	24490	22733	20892	16784	11029
FGT	52856	49260	47633	45904	44144	42305	38198	32442
WAT	395	395	395	395	395	395	395	395
WFT	59989	47533	42528	37836	33604	29528	21771	13111
TSFC	1.908	1.707	1.624	1.545	1.478	1.413	1.297	1.189
BPR	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.63
WAT2	555	555	555	555	555	555	555	555
N1	5498	5498	5498	5498	5498	5498	5498	5536
N2	8158	8158	8158	8158	8158	8158	8158	8189
PT30	23.6	23.6	23.6	23.6	23.6	23.6	23.6	24.6
PT4	94.2	94.2	94.2	94.2	94.2	94.2	94.2	97.9
TT30	812	812	812	812	812	812	812	822
TT4	1225	1225	1225	1225	1225	1225	1225	1241
PT9	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.7
PTD	20.3	20.7	20.9	21.2	21.4	21.5	21.8	23.4
TT9	1997	1997	1997	1997	1997	1997	1997	1996
TTD	3560	3000	2750	2500	2250	2000	1485	822
WAS/WAP	0.0430	0.0404	0.0392	0.0379	0.0366	0.0353	0.0323	0.0281
VENG	1974	1974	1974	1974	1974	1974	1974	1974
VOUCT	2617	2408	2308	2203	2093	1976	1710	1281
AJCDE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.21
AJCDD	10.53	9.28	8.73	8.18	7.63	7.08	5.92	3.94

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ALT	45000	WASIZE	640	PT2/PT2P	0.925	WBL3	0.
MO	2.00	PAM	2.1	PT2	15.4	WBL4	0.
VA KTS	1147	TAM	390	TT2	702	HPEXT	0.

MAXTHR	MAX D/H						MIN D/H	NOT LIT
FNT	36749	32225	30150	28014	25813	23512	18931	11853
FGT	64957	60433	58356	56221	54020	51719	47138	40061
WAT	469	469	469	469	469	469	469	469
WFT	69877	55033	49076	43472	38409	33547	25163	14754
TSFC	1.901	1.708	1.628	1.552	1.488	1.427	1.329	1.245
BPR	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.68
WAT2	515	515	515	515	515	515	515	515
N1	5454	5454	5454	5454	5454	5454	5454	5489
N2	8196	8196	8196	8196	8196	8196	8196	8231
PT30	29.6	29.6	29.6	29.6	29.6	29.6	29.6	30.5
PT4	110.2	110.2	110.2	110.2	110.2	110.2	110.2	114.1
TT30	869	869	869	869	869	869	869	877
TT4	1279	1279	1279	1279	1279	1279	1279	1294
PT9	19.8	19.8	19.8	19.8	19.8	19.8	19.8	20.5
PTD	25.8	26.3	26.5	26.8	27.0	27.2	27.5	29.0
TT9	1995	1995	1995	1995	1995	1995	1995	1995
TTD	3560	3000	2750	2500	2250	2000	1536	877
WAS/WAP	0.0412	0.0387	0.0375	0.0363	0.0351	0.0337	0.0312	0.0272
VENG	1973	1973	1973	1973	1973	1973	1973	1973
VOUCT	2617	2408	2308	2203	2093	1976	1739	1322
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
AJCDD	9.91	8.75	8.24	7.73	7.22	6.71	5.73	3.94

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ALT	55000	WASIZE	640	PT2/PT2P	0.997	WBL3	0.
MO	1.10	PAM	1.3	PT2	2.8	WBL4	0.
VA KTS	631	TAM	390	TT2	484	HPEXT	0.

MAXTHR	MAX D/H						MIN D/H	NOT LIT
FNT	11009	10061	9622	9169	8698	8206	6817	5173
FGT	15390	14443	14003	13550	13080	12588	11199	9554
WAT	132	132	132	132	132	132	132	132
WFT	20564	16630	15051	13586	12235	10959	7999	5322
TSFC	1.868	1.653	1.564	1.482	1.407	1.335	1.173	1.029
BPR	1.36	1.36	1.36	1.36	1.36	1.36	1.36	1.36
WAT2	663	663	663	663	663	663	663	663
N1	6005	6005	6005	6005	6005	6005	6005	6033
N2	7774	7774	7774	7774	7774	7774	7774	7787
PT30	7.6	7.6	7.6	7.6	7.6	7.6	7.6	8.0
PT4	35.1	35.1	35.1	35.1	35.1	35.1	35.1	36.3
TT30	680	680	680	680	680	680	680	691
TT4	1083	1083	1083	1083	1083	1083	1083	1097
PT9	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.6
PTD	6.6	6.7	6.8	6.9	6.9	7.0	7.1	7.6
TT9	2004	2004	2004	2004	2004	2004	2004	2003
TTD	3560	3000	2750	2500	2250	2000	1365	691
WAS/WAP	0.0489	0.0461	0.0448	0.0435	0.0421	0.0407	0.0367	0.0321
VENG	1977	1977	1977	1977	1977	1977	1977	1977
VOUCT	2617	2407	2307	2203	2093	1976	1641	1176
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
AJCDD	10.12	8.91	8.39	7.86	7.34	6.80	5.41	3.43

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ALT	55000	WASIZE	640	PT2/PT2P	0.991	WBL3	0.
MO	1.20	PAM	1.3	PT2	3.2	WBL4	0.
VA KTS	688	TAM	390	TT2	502	HPEXT	0.

MAXTHR	MAX D/H						MIN D/H	NOT LIT
FNT	11910	10848	10356	9849	9324	8773	7259	5442
FGT	17116	16055	15563	15056	14531	13979	12466	10648
WAT	144	144	144	144	144	144	144	144
WFT	22289	18004	16278	14676	13204	11810	8644	5720
TSFC	1.871	1.660	1.572	1.490	1.416	1.346	1.191	1.051
BPR	1.37	1.37	1.37	1.37	1.37	1.37	1.37	1.37
WAT2	651	651	651	651	651	651	651	651
N1	5940	5940	5940	5940	5940	5940	5940	5969
N2	7826	7826	7826	7826	7826	7826	7826	7842
PT30	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.6
PT4	38.1	38.1	38.1	38.1	38.1	38.1	38.1	39.4
TT30	695	695	695	695	695	695	695	706
TT4	1103	1103	1103	1103	1103	1103	1103	1117
PT9	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.2
PTD	7.1	7.3	7.4	7.5	7.5	7.6	7.7	8.3
TT9	2003	2003	2003	2003	2003	2003	2003	2003
TTD	3560	3000	2750	2500	2250	2000	1379	706
WAS/WAP	0.0481	0.0453	0.0440	0.0427	0.0413	0.0399	0.0362	0.0316
VENG	1977	1977	1977	1977	1977	1977	1977	1977
VOUCT	2617	2407	2307	2203	2093	1976	1650	1188
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
AJCDD	10.19	8.98	8.45	7.92	7.39	6.85	5.48	3.48

SEP 25, 1964

ALT	55000	WASIZE	640	PT2/PT2P	0.971	WBL3	0.
MO	1.50	PAM	1.3	PT2	4.7	WBL4	0.
VA KTS	860	TAM	390	TT2	566	HPEXT	0.

MAXTHR	MAX D/H						MIN D/H	NOT LIT
FNT	15160	13629	12920	12190	11437	10645	8636	6094
FGT	23646	22115	21436	20676	19923	19131	17122	14580
WAT	188	188	188	188	188	188	188	188
WFT	28928	23174	20842	18665	16680	14792	10785	6827
TSFC	1.908	1.700	1.613	1.531	1.458	1.390	1.249	1.120
BPR	1.52	1.52	1.52	1.52	1.52	1.52	1.52	1.50
WAT2	608	608	608	608	608	608	608	608
N1	5711	5711	5711	5711	5711	5711	5711	5750
N2	7981	7981	7981	7981	7981	7981	7981	8003
PT30	10.6	10.6	10.6	10.6	10.6	10.6	10.6	11.1
PT4	46.9	46.9	46.9	46.9	46.9	46.9	46.9	48.8
TT30	742	742	742	742	742	742	742	753
TT4	1159	1159	1159	1159	1159	1159	1159	1175
PT9	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.9
PTD	9.0	9.3	9.4	9.5	9.6	9.6	9.8	10.6
TT9	2002	2002	2002	2002	2002	2002	2002	2001
TTD	3560	3000	2750	2500	2250	2000	1421	753
WAS/WAP	0.0456	0.0429	0.0416	0.0403	0.0390	0.0376	0.0342	0.0298
VENG	1976	1976	1976	1976	1976	1976	1976	1976
VOUCT	2617	2407	2308	2203	2093	1976	1674	1227
AJCDE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.21
AJCDD	10.91	9.60	9.03	8.46	7.88	7.30	5.94	3.85

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ALT	55000	WASIZE	640	PT2/PT2P	0.945	WBL3	0.
MO	1.80	PAM	1.3	PT2	7.2	WBL4	0.
VA KTS	1032	TAM	390	TT2	643	HPEXT	0.

MAXTHR	MAX D/H						MIN D/H	NOT LIT
FNT	19356	17134	16109	15058	13970	12829	10252	6660
FGT	32628	30406	29381	28331	27242	26101	23525	19933
WAT	245	245	245	245	245	245	245	245
WFT	37411	29612	26477	23537	20888	18339	13431	7999
TSFC	1.933	1.728	1.644	1.563	1.495	1.429	1.310	1.201
BPR	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.68
WAT2	555	555	555	555	555	555	555	555
N1	5484	5484	5484	5484	5484	5484	5484	5520
N2	8108	8108	8108	8108	8108	8108	8108	8141
PT30	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.8
PT4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	59.6
TT30	807	807	807	807	807	807	807	816
TT4	1222	1222	1222	1222	1222	1222	1222	1237
PT9	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.8
PTD	12.0	12.3	12.4	12.6	12.7	12.8	13.3	14.0
TT9	2002	2002	2002	2002	2002	2002	2002	2001
TTD	3560	3000	2750	2500	2250	2000	1480	816
WAS/WAP	0.0431	0.0405	0.0392	0.0380	0.0366	0.0353	0.0323	0.0280
VENG	1976	1976	1976	1976	1976	1976	1976	1976
VOUCT	2617	2408	2308	2203	2093	1976	1707	1276
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
AJCDD	11.13	9.79	9.21	8.61	8.03	7.45	6.20	4.11

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ALT       55000   WASIZE      640   PT2/PT2P  0.925   WBL3      0.
MO         2.00   PAM         1.3   PT2         9.6   WBL4      0.
VA KTS     1147   TAM         390   TT2         702   HPEXT     0.

MAXTHR   MAX D/H                                     MIN D/H NOT LIT

FNT       22672    19870    18584    17299    15893    14464    11580     7172
FGT       40156    37353    36067    34742    33376    31948    29064    24655
WAT         291      291      291      291      291      291      291      291
WFT       43577    34281    30550    27043    23874    20829    15520     9012
TSFC      1.922    1.725    1.644    1.567    1.502    1.440    1.340    1.257
BPR        1.74     1.74     1.74     1.74     1.74     1.74     1.74     1.73
WAT2        515      515      515      515      515      515      515      515

N1         5433     5433     5433     5433     5433     5433     5432     5469
N2         8141     8141     8141     8141     8141     8141     8141     8179
PT3D       17.8     17.8     17.8     17.8     17.8     17.8     17.8     18.4
PT4        67.1     67.1     67.1     67.1     67.1     67.1     67.1     69.5
TT3D        863      863      863      863      863      863      863      871
TT4        1275     1275     1275     1275     1275     1275     1275     1290

PT9        12.1     12.1     12.1     12.1     12.1     12.1     12.1     12.5
PTD        15.3     15.6     15.8     16.0     16.1     16.2     16.4     17.4
TT9        2000     2000     2000     2000     2000     2000     2000     2000
TTD        3560     3000     2750     2500     2250     2000     1531      871
WAS/WAP  0.0413   0.0388   0.0376   0.0363   0.0351   0.0338   0.0312   0.0271
VENG       1976     1976     1976     1976     1976     1976     1976     1976
VOUCT      2617     2408     2338     2203     2093     1976     1736     1318
AJCDE      5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDD     10.44     9.21     8.64     8.12     7.58     7.04     5.99     4.08

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ALT       55000   WASIZE      640   PT2/PT2P  0.904   WBL3      0.
MO         2.20   PAM         1.3   PT2        12.9   WBL4      0.
VA KTS     1262   TAM         390   TT2         767   HPEXT     0.

MAXTHR   MAX D/H                                     MIN D/H NOT LIT

FNT       25709    22805    21214    19574    17447    16127    13055     7792
FGT       48494    45419    43424    42184    40497    38737    35665    30462
WAT         342      342      342      342      342      342      342      342
WFT       50742    39155    34758    30669    26261    23371    17892    10194
TSFC      1.974    1.717    1.640    1.567    1.506    1.449    1.370    1.309
BPR        1.75     1.75     1.75     1.75     1.75     1.75     1.75     1.73
WAT2        474      474      474      474      474      474      474      474

N1         5383     5383     5383     5383     5383     5383     5384     5427
N2         8155     8155     8155     8155     8155     8155     8155     8205
PT3D       22.9     22.9     22.9     22.9     22.9     22.9     22.9     23.6
PT4        78.9     78.9     78.9     78.9     78.9     78.9     78.9     81.3
TT3D        928      928      928      928      928      928      928      937
TT4        1333     1333     1333     1333     1333     1333     1333     1349

PT9        14.2     14.2     14.2     14.2     14.2     14.2     14.2     14.7
PTD        20.2     20.6     20.7     20.9     21.0     21.2     21.6     22.5
TT9        1999     1999     1999     1999     1999     1999     1999     1999
TTD        3561     3000     2750     2500     2250     2003     1590      937
WAS/WAP  0.0395   0.0371   0.0360   0.0348   0.0336   0.0323   0.0301   0.0263
VENG       1975     1975     1975     1975     1975     1975     1975     1975
VOUCT      2619     2409     2328     2203     2093     1977     1768     1356
AJCDE      5.23     5.20     5.20     5.23     5.20     5.23     5.20     5.21
AJCDD      9.30     8.24     7.76     7.29     6.82     6.34     5.53     3.87

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ALT       55000   WASIZE      640   PT2/PT2P  0.870   WBL3      0.
MO         2.50   PAM         1.3   PT2        19.8   WBL4      0.
VA KTS     1434   TAM         390   TT2         875   HPEXT     0.

MAXTHR   MAX D/H                                     MIN D/H NOT LIT

FNT       30065    27045    24928    22762    20538    18225    15234     8661
FGT       63427    59265    57289    54922    52699    50386    47394    40821
WAT         428      428      428      428      428      428      428      428
WFT       59866    46382    40965    35867    31249    26839    21696    12122
TSFC      1.991    1.715    1.643    1.576    1.522    1.473    1.424    1.400
BPR        1.72     1.72     1.72     1.72     1.72     1.72     1.72     1.73
WAT2        412      412      412      412      412      412      412      412

N1         5311     5311     5311     5311     5311     5311     5311     5379
N2         8154     8154     8154     8154     8154     8154     8154     8217
PT3D       33.4     33.4     33.4     33.4     33.4     33.4     33.4     34.3
PT4       100.3    100.3    100.3    100.3    100.3    100.3    100.3    104.4
TT3D       1041     1041     1041     1041     1041     1041     1041     1059
TT4        1429     1429     1429     1429     1429     1429     1429     1445

PT9        17.9     17.9     17.9     17.9     17.9     17.9     17.9     18.6
PTD        30.4     30.9     31.0     31.1     31.3     31.4     31.6     32.9
TT9        1999     1998     1998     1998     1998     1998     1998     1957
TTD        3569     3000     2750     2500     2250     2000     1693     1059
WAS/WAP  0.0372   0.0347   0.0336   0.0325   0.0314   0.0302   0.0287   0.0253
VENG       1975     1975     1975     1975     1975     1975     1975     1974
VOUCT      2619     2408     2308     2264     2093     1977     1823     1445
AJCDE      5.23     5.20     5.20     5.23     5.20     5.20     5.20     5.23
AJCDD      7.67     6.83     6.45     6.08     5.70     5.31     4.81     3.48

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ALT       55000   WASIZE      640   PT2/PT2P  0.846   WBL3      0.
MO         2.70   PAM         1.3   PT2        26.3   WBL4      0.
VA KTS     1548   TAM         390   TT2         956   HPEXT     0.

MAXTHR   MAX D/H                                     MIN D/H NOT LIT

FNT       34215    30379    27504    25188    22495    19697    16931     9185
FGT       76883    71253    68682    66462    63369    60571    57826    50263
WAT         503      503      503      503      503      503      503      503
WFT       68325    52273    45353    40049    34652    29491    24806    13525
TSFC      1.997    1.721    1.649    1.590    1.540    1.497    1.465    1.472
BPR        1.72     1.72     1.72     1.72     1.72     1.72     1.72     1.73
WAT2        382      382      382      382      382      382      382      382

N1         5274     5274     5274     5274     5274     5274     5274     5339
N2         8214     8214     8214     8214     8214     8214     8214     8255
PT3D       42.5     42.5     42.5     42.5     42.5     42.5     42.5     43.5
PT4       118.5    118.5    118.5    118.5    118.5    118.5    118.5    123.7
TT3D       1121     1121     1121     1121     1121     1121     1121     1129
TT4        1501     1501     1501     1501     1501     1501     1501     1517

PT9        21.0     21.0     21.0     21.0     21.0     21.0     21.0     21.4
PTD        39.3     39.7     39.8     40.0     40.1     40.3     40.4     41.9
TT9        1996     1996     1996     1996     1996     1996     1996     1995
TTD        3569     3000     2750     2500     2250     2000     1765     1139
WAS/WAP  0.0354   0.0332   0.0322   0.0312   0.0301   0.0291   0.0279   0.0247
VENG       1974     1974     1974     1974     1974     1974     1974     1974
VOUCT      2619     2409     2338     2234     2094     1977     1861     1459
AJCDE      5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.23
AJCDD      6.95     6.23     5.90     5.56     5.22     4.87     4.52     3.35

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ALT       65000   WASIZE      640   PT2/PT2P  0.962   WBL3      0.
MO         1.60   PAM         0.8   PT2         3.4   WBL4      0.
VA KTS      918   TAM         390   TT2         590   HPEXT     0.

MAXTHR   MAX D/H                                     MIN D/H NOT LIT

FNT       10082     9005     8509     7998     7470     6917     5491     3742
FGT       16218    15142    14646    14134    13607    13052    11627     9876
WAT         127      127      127      127      127      127      127      127
WFT       20327    16090    14413    12836    11407    10050     7146     4359
TSFC      2.016    1.787    1.694    1.605    1.527    1.453    1.301    1.165
BPR        1.66     1.66     1.66     1.66     1.66     1.66     1.66     1.64
WAT2        591      591      591      591      591      591      591      591

N1         5610     5610     5610     5610     5610     5610     5610     5645
N2         7976     7976     7976     7976     7976     7976     7976     8003
PT3D        6.8      6.8      6.8      6.8      6.8      6.8      6.8      7.2
PT4        30.2     30.2     30.2     30.2     30.2     30.2     30.2     31.4
TT3D        753      753      753      753      753      753      753      762
TT4        1174     1174     1174     1174     1174     1174     1174     1189

PT9         5.5      5.5      5.5      5.5      5.5      5.5      5.5      5.7
PTD         5.7      5.8      5.9      6.0      6.0      6.1      6.2      6.8
TT9        2007     2007     2007     2007     2007     2007     2007     2007
TTD        3560     3000     2750     2500     2250     2000     1416      762
WAS/WAP  0.0449   0.0422   0.0409   0.0396   0.0383   0.0369   0.0333   0.0289
VENG       1979     1979     1979     1979     1979     1979     1979     1979
VOUCT      2617     2407     2307     2203     2093     1976     1671     1234
AJCDE      5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDD     12.22    10.71    10.04     9.39     8.72     8.07     6.52     4.23

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ALT       65000   WASIZE      640   PT2/PT2P  0.954   WBL3      0.
MO         1.70   PAM         0.8   PT2         3.9   WBL4      0.
VA KTS      975   TAM         390   TT2         616   HPEXT     0.

MAXTHR   MAX D/H                                     MIN D/H NOT LIT

FNT       10907     9702     9144     8571     7977     7350     5847     3847
FGT       18028    16823    16265    15692    15097    14472    12969    10969
WAT         139      139      139      139      139      139      139      139
WFT       21550    17121    15320    13636    12101    10641     7688     4592
TSFC      1.976    1.765    1.675    1.591    1.517    1.448    1.315    1.194
BPR        1.72     1.72     1.72     1.72     1.72     1.72     1.72     1.70
WAT2        573      573      573      573      573      573      573      573

N1         5519     5519     5519     5519     5519     5519     5519     5555
N2         8012     8012     8012     8012     8012     8012     8012     8045
PT3D        7.5      7.5      7.5      7.5      7.5      7.5      7.5      7.9
PT4        32.3     32.3     32.3     32.3     32.3     32.3     32.3     33.5
TT3D        775      775      775      775      775      775      775      784
TT4        1195     1195     1195     1195     1195     1195     1195     1210

PT9         5.9      5.9      5.9      5.9      5.9      5.9      5.9      6.1
PTD         6.2      6.4      6.4      6.5      6.6      6.7      6.8      7.4
TT9        2008     2008     2008     2008     2008     2008     2008     2007
TTD        3560     3000     2750     2500     2250     2000     1451      784
WAS/WAP  0.0441   0.0414   0.0401   0.0388   0.0375   0.0361   0.0328   0.0264
VENG       1979     1979     1979     1979     1979     1979     1979     1979
VOUCT      2617     2408     2308     2203     2093     1976     1691     1251
AJCDE      5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.21
AJCDD     12.34    10.81    10.14     9.47     8.81     8.15     6.64     4.33

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ALT	65000	WASIZE	640	PT2/PT2P	0.945	WBL3	0.
MO	1.80	PAM	0.8	PT2	4.5	WBL4	0.
VA KTS	1032	TAM	390	TT2	643	HPEXT	0.

MAXTHR	MAX D/H						MIN D/H	NOT LIT
FNT	11848	10500	9469	[illegible]	8548	7842	6221	3977
FGT	20094	18830	18099	17470	16770	16072	14451	12207
WAT	152	152	152	152	152	152	152	152
WFT	23394	18491	15852	14668	13001	11397	8274	4852
TSFC	1.971	1.761	1.674	1.561	1.521	1.453	1.330	1.220
BPR	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.75
WAT2	555	555	555	555	555	555	555	555
N1	5464	5464	5464	5464	5464	5464	5464	5499
N2	8040	8040	8040	8040	8040	8040	8040	8076
PT3D	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.8
PT4	34.7	34.7	34.7	34.7	34.7	34.7	34.7	36.0
TT3D	799	799	799	799	799	799	799	808
TT4	1210	1210	1210	1210	1210	1210	1210	1233
PT9	6.1	6.1	6.1	6.1	6.1	6.2	6.3	6.5
PTD	7.0	7.1	7.1	7.1	7.4	7.5	7.6	8.8
TT9	2007	2007	2007	2007	2007	2007	2007	2007
TTD	3560	3000	2750	2500	2250	2000	1475	808
WAS/WAP	0.0432	0.0401	0.0393	0.0380	0.0367	0.0353	0.0322	0.0270
VENG	1979	1979	1979	1979	1979	1979	1979	1979
VDUCT	2627	2400	2300	2203	2093	1976	1703	1270
AJCDE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.21
AJCDD	12.29	10.68	9.95	9.29	8.65	8.01	6.63	4.37

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ALT	65000	WASIZE	640	PT2/PT2P	0.925	WBL3	0.
MO	2.00	PAM	0.8	PT2	6.0	WBL4	0.
VA KTS	1147	TAM	390	TT2	702	HPEXT	0.

MAXTHR	MAX D/H						MIN D/H	NOT LIT
FNT	13971	12235	11430	10610	9768	8880	7064	4309
FGT	24813	23077	22279	21450	20610	19722	17965	15147
WAT	180	180	180	180	180	180	180	180
WFT	27216	21382	19040	16490	14852	12941	9572	5460
TSFC	1.948	1.748	1.665	1.554	1.520	1.457	1.355	1.268
BPR	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.79
WAT2	515	515	515	515	515	515	515	519
N1	5414	5414	5414	5414	5414	5414	5414	5446
N2	8074	8074	8074	8074	8074	8074	8074	8119
PT3D	10.7	10.7	10.7	10.7	10.7	10.7	10.7	11.1
PT4	40.7	40.7	40.7	40.7	40.7	40.7	40.7	42.2
TT3D	857	857	857	857	857	857	857	864
TT4	1271	1271	1271	1271	1271	1271	1271	1286
PT9	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.6
PTD	9.0	9.1	9.4	9.4	9.6	9.6	9.8	10.6
TT9	2005	2005	2005	2005	2005	2005	2005	2005
TTD	3560	3000	2750	2500	2250	2000	1525	864
WAS/WAP	0.0414	0.0388	0.0376	0.0364	0.0351	0.0338	0.0311	0.0269
VENG	1978	1978	1978	1978	1978	1978	1978	1978
VDUCT	2617	2400	2308	2203	2093	1976	1733	1313
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
AJCDD	11.09	9.76	9.16	8.58	8.01	7.43	6.29	4.29

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~~ALT~~	~~65000~~	~~WASIZE~~	~~640~~	~~PT2/PT2P~~	~~0.904~~	~~WBL3~~	~~0.~~
MO	2.20	PAM	0.8	PT2	8.0	WBL4	0.
VA KTS	1262	TAM	390	TT2	767	HPEXT	0.

MAXTHR	MAX D/H						~~MIN D/H~~	~~NOT LIT~~
~~FNT~~	~~16255~~	~~14089~~	~~13097~~	~~12070~~	~~11025~~	~~9920~~	~~7904~~	~~4688~~
FGT	30274	28139	27118	26097	25046	23949	22005	18708
~~WAT~~	~~212~~	~~212~~	~~212~~	~~212~~	~~212~~	~~212~~	~~212~~	~~212~~
WFT	31256	24425	21685	19100	16762	14521	11038	6206
~~TSFC~~	~~1.929~~	~~1.734~~	~~1.656~~	~~1.582~~	~~1.520~~	~~1.463~~	~~1.397~~	~~1.324~~
BPR	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.79
~~WAT2~~	~~474~~	~~474~~	~~474~~	~~474~~	~~474~~	~~474~~	~~474~~	~~474~~
~~N1~~	~~5359~~	~~5359~~	~~5359~~	~~5359~~	~~5359~~	~~5359~~	~~5359~~	~~5390~~
N2	8091	8091	8091	8091	8091	8091	8091	8141
~~PT3D~~	~~13.8~~	~~13.8~~	~~13.8~~	~~13.8~~	~~13.8~~	~~13.8~~	~~13.8~~	~~14.3~~
PT4	47.9	47.9	47.9	47.9	47.9	47.9	47.9	49.7
~~TT3D~~	~~922~~	~~922~~	~~922~~	~~922~~	~~922~~	~~922~~	~~922~~	~~930~~
TT4	1329	1329	1329	1329	1329	1329	1329	1344
PT9	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.9
~~PTD~~	~~12.2~~	~~12.3~~	~~12.4~~	~~12.5~~	~~12.6~~	~~12.7~~	~~12.8~~	~~13.4~~
TT9	2005	2005	2005	2005	2005	2005	2005	2004
~~TTD~~	~~3560~~	~~3000~~	~~2750~~	~~2500~~	~~2250~~	~~2000~~	~~1585~~	~~930~~
WAS/WAP	0.0396	0.0372	0.0360	0.0348	0.0336	0.0323	0.0301	0.0262
~~VENG~~	~~1970~~	~~1970~~	~~1970~~	~~1970~~	~~1970~~	~~1970~~	~~1970~~	~~1970~~
VDUCT	2618	2408	2308	2203	2093	1977	1765	1362
~~AJCDE~~	~~5.21~~	~~5.21~~	~~5.21~~	~~5.21~~	~~5.21~~	~~5.21~~	~~5.21~~	~~5.21~~
AJCDD	9.79	8.65	8.14	7.64	7.15	6.64	5.77	4.03

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~~ALT~~	~~65000~~	~~WASIZE~~	~~640~~	~~PT2/PT2P~~	~~0.870~~	~~WBL3~~	~~0.~~
MO	2.50	PAM	0.8	PT2	12.3	WBL4	0.
~~VA KTS~~	~~1434~~	TAM	390	TT2	875	HPEXT	0.

~~MAXTHR~~	~~MAX D/H~~						MIN D/H	NOT LIT
~~FNT~~	~~19645~~	~~16760~~	~~15439~~	~~14009~~	~~12690~~	~~11253~~	~~9340~~	~~5284~~
FGT	39586	36703	35382	34029	32640	31196	29292	25166
~~WAT~~	~~265~~	~~265~~	~~265~~	265	265	265	265	265
WFT	37384	28930	25535	22339	19444	16679	13393	7389
~~TSFC~~	~~1.909~~	~~1.726~~	~~1.654~~	~~1.590~~	1.531	1.482	1.432	1.415
BPR	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.75
~~WAT2~~	~~412~~	~~412~~	~~412~~	~~412~~	~~412~~	~~412~~	~~412~~	~~412~~
~~N1~~	~~5281~~	~~5281~~	~~5281~~	~~5281~~	5281	5281	5281	5332
N2	8099	8099	8099	8099	8099	8099	8099	8161
~~PT3D~~	~~20.3~~	~~20.3~~	~~20.3~~	~~20.3~~	~~20.3~~	~~20.3~~	20.3	20.9
PT4	61.0	61.0	61.0	61.0	61.0	61.0	61.0	63.4
~~TT3D~~	~~1055~~	~~1055~~	~~1055~~	~~1055~~	~~1055~~	~~1055~~	~~1055~~	~~1066~~
TT4	1425	1425	1425	1425	1425	1425	1425	1441
PT9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	11.3
~~PTD~~	~~18.4~~	~~18.6~~	~~18.7~~	~~18.8~~	18.9	19.0	19.1	19.9
TT9	2003	2003	2003	2003	2003	2003	2003	2022
~~TTD~~	~~3560~~	~~3000~~	~~2750~~	~~2500~~	~~2250~~	~~2000~~	~~1607~~	~~1066~~
WAS/WAP	0.0370	0.0348	0.0337	0.0326	0.0314	0.0302	0.0287	0.0252
~~VENG~~	~~1977~~	1977	1977	1977	1977	1977	1977	1977
VDUCT	2618	2408	2308	2204	2093	1977	1920	1441
~~AJCDE~~	~~5.20~~	~~5.20~~	~~5.20~~	~~5.20~~	5.20	5.20	5.20	5.20
AJCDD	7.97	7.08	6.69	6.30	5.91	5.50	4.98	3.60

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~~ALT~~	~~65000~~	~~WASIZE~~	~~640~~	~~PT2/PT2P~~	~~0.846~~	~~WBL3~~	~~0.~~
MO	2.70	PAM	0.8	PT2	14.3	WBL4	0.
~~VA KTS~~	~~1548~~	~~TAM~~	~~390~~	~~TT2~~	~~934~~	~~HPEXT~~	~~0.~~

~~MAXTHR~~	~~MAX D/H~~						~~MIN D/H~~	~~NOT LIT~~
~~FNT~~	~~22360~~	~~18649~~	~~17242~~	~~15687~~	~~13925~~	~~12178~~	~~10426~~	~~5552~~
FGT	47712	44194	42588	40953	39271	37524	35771	30898
~~WAT~~	~~312~~	~~312~~	~~312~~	~~312~~	~~312~~	~~312~~	~~312~~	~~312~~
WFT	42642	32599	28570	24950	21562	18330	15353	8258
~~TSFC~~	~~1.907~~	~~1.750~~	~~1.657~~	~~1.599~~	~~1.540~~	~~1.505~~	~~1.473~~	~~1.487~~
BPR	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.75
~~WAT2~~	~~302~~	~~302~~	~~302~~	~~302~~	~~302~~	~~302~~	~~302~~	~~302~~
~~N1~~	~~5250~~	~~5250~~	~~5250~~	~~5250~~	~~5250~~	~~5250~~	~~5250~~	~~5293~~
N2	8173	8173	8173	8173	8173	8173	8173	8213
~~PT3D~~	~~25.9~~	~~25.9~~	~~25.9~~	~~25.9~~	~~25.9~~	~~25.9~~	~~25.9~~	~~26.5~~
PT4	72.2	72.2	72.2	72.2	72.2	72.2	72.2	74.9
~~TT3D~~	~~1110~~	~~1110~~	~~1110~~	~~1110~~	~~1110~~	~~1110~~	~~1110~~	~~1124~~
TT4	1496	1496	1496	1496	1496	1496	1496	1512
PT9	12.8	12.8	12.8	12.8	12.8	12.8	12.8	13.3
~~PTD~~	~~23.9~~	~~24.1~~	~~24.2~~	~~24.3~~	~~24.4~~	~~24.6~~	~~24.9~~	~~25.9~~
TT9	2001	2001	2001	2001	2001	2001	2001	2000
~~TTD~~	~~3560~~	~~3000~~	~~2750~~	~~2500~~	~~2250~~	~~2000~~	~~1760~~	~~1124~~
WAS/WAP	0.0355	0.0333	0.0322	0.0312	0.0301	0.0290	0.0278	0.0246
~~VENG~~	~~1977~~	~~1977~~	~~1977~~	~~1977~~	~~1977~~	~~1977~~	~~1977~~	~~1976~~
VDUCT	2618	2408	2308	2204	2094	1977	1858	1494

ALT	75000	WASIZE	640	PT2/PT2P	0.925	WBL3	0.
[illegible]	2.00	PAM	0.5	PT2	3.7	WBL4	0.
[illegible]	1154	TAM	395	TT2	711	HPEXT	0.

MAXTHR	MAX D/H						MIN D/H	NOT LIT
[illegible]	[illegible]	7401	6995	6297	5869	5317	4093	2465
FGT	15232	14146	13650	13142	12614	12062	10438	9210
WAT	111	111	111	111	111	111	111	111
[illegible]	[illegible]	14031	12418	[illegible]	9578	8289	5853	3246
[illegible]	2.138	1.896	1.790	1.713	1.632	1.559	1.430	1.317
BPR	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.91
WAT2	515	515	515	515	515	515	515	515
[illegible]	5408	5408	5408	5408	5408	5408	5408	5436
N2	7975	7975	7975	7975	7975	7975	7975	8026
PT3D	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.6
[illegible]	24.1	24.1	24.1	24.1	24.1	24.1	24.1	25.0
[illegible]	856	856	856	856	856	856	856	862
TT4	1276	1276	1276	1276	1276	1276	1276	1290
[illegible]	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.5
[illegible]	5.0	5.2	5.2	5.3	5.4	5.4	5.5	5.9
TT9	2012	2012	2012	2012	2012	2012	2012	2011
TTD	3560	3000	2750	2500	2250	2000	1488	862
[illegible]	[illegible]	0.0387	0.0375	0.0362	0.0349	0.0336	0.0306	0.0266
[illegible]	1981	1981	1981	1981	1981	1981	1981	1981
VDUCT	2617	2407	2307	2203	2093	1976	1712	1311
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
[illegible]	[illegible]	11.10	10.39	9.78	9.08	8.35	6.94	4.73

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ALT       75000   WASIZE       640   PT2/PT2P  0.904   WBL3        0.
MO         2.20   PAM          0.5   PT2         5.0   WBL4        0.
VA KTS     1270   TAM          395   TT2         776   HPEXT       0.

MAXTHR   MAX O/H                                       MIN O/H NOT LIT

FNT        9499     8959     7939     7305     6650     5967     4740     2693
FGT       18621    17278    16662    16028    15373    14693    13472    11416
WAT         131      131      131      131      131      131      131      131
WFT       19511    15193    13461    11827    10349     8933     6725     3671
TSFC      1.971    1.776    1.696    1.619    1.556    1.497    1.416    1.363
BPR        1.93     1.93     1.93     1.93     1.92     1.93     1.93     1.91
WAT2        474      474      474      474      474      474      474      474

N1         5347     5347     5347     5347     5347     5347     5347     5380
N2         7988     7988     7988     7988     7988     7988     7988     8053
PT3D        8.1      8.1      8.1      8.1      8.1      8.1      8.1      8.4
PT4        28.4     28.4     28.4     28.4     28.4     28.4     28.4     29.5
TT3D        921      921      921      921      921      921      921      929
TT4        1334     1334     1334     1334     1334     1334     1334     1349

PT9         5.1      5.1      5.1      5.1      5.1      5.1      5.1      5.3
PTD         6.9      7.1      7.1      7.2      7.3      7.3      7.4      7.9
TT9        2010     2010     2010     2010     2010     2010     2010     2009
TTD        3960     3000     2750     2500     2250     2000     1583      929
WAS/WAP  0.0395 [illegible]  0.0359   0.0347   0.0334   0.0321   0.0298   0.0259
VENG       1980     1980     1980     1980     1980     1980     1980     1980
VDUCT      2619 [illegible]    2328     2203     2093     1971     1765     1361
AJCDE      5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCOD     13.77     9.51     8.93     8.38     7.82     7.26     6.30     4.37

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ALT       75000   WASIZE       640   PT2/PT2P  0.870   WBL3        0.
MO         2.50   PAM          0.5   PT2         7.4   WBL4        0.
VA KTS     1443   TAM          395   TT2         846   HPEXT       0.

MAXTHR   MAX O/H                                       MIN O/H NOT LIT

FNT       12961    11291     9416     8571     7792     6799     5611     3015
FGT       24443    22649    21824    20979    20110    19207    18319    15423
WAT         164      164      164      164      164      164      164      164
WFT       23286    17361    15942    13805    11784    10242     8177     4363
TSFC      1.936    1.754    1.682    1.611    1.556    1.497    1.450    1.453
BPR        1.84     1.88     1.88     1.88     1.88     1.84     1.88     1.86
WAT2        412      412      412      412      412      412      412      412

N1         5261     5261     5261     5261     5261     5261     5261     5301
N2         8336     8336     8336     8336     8336     8335     8336     8587
PT3D       12.1     12.1     12.1     12.1     12.1     12.1     12.1     12.4
PT4        36.4     36.4     36.4     36.4     36.4     36.4     36.4     37.8
TT3D       1037     1037     1037     1037     1037     1037     1037     1044
TT4        1431     1431     1431     1431     1431     1431     1431     1445

PT9         6.5      6.5      6.5      6.5      6.5      6.5      6.5      6.7
PTD        10.9     11.0     11.1     11.1     11.2     11.3     11.3     11.9
TT9        2009     2009     2009     2009     2009     2009     2009     2009
TTD        3560     3000     2750     2500     2250     2000     1698     1344
WAS/WAP  0.0360   0.0346   0.0335   0.0324   0.0313   0.0301   0.0285   0.0253
VENG       1980     1980     1980     1980     1980     1980     1980     1980
VDUCT      2613     2408     2308     2204     2093     1977     1920     1441
AJCDE      5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.21
AJCOD      8.51     7.55     7.13     6.71     6.28     5.85     5.29     3.81

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ALT       75000   WASIZE       640   PT2/PT2P  0.846   WBL3        0.
MO         2.70   PAM          0.5   PT2        10.1   WBL4        0.
VA KTS     1558   TAM          395   TT2         966   HPEXT       0.

MAXTHR   MAX O/H                                       MIN O/H NOT LIT

FNT       13731    11533    10520     9506     8454     7360     6275     3216
FGT       29501    27303    26299    25277    24224    23431    22045    18987
WAT         193      193      193      193      193      193      193      193
WFT       26531    20215    17686    15404    13274    11241     9387     4913
TSFC      1.932    1.753    1.680    1.620    1.570    1.527    1.496    1.528
BPR        1.86     1.86     1.86     1.86     1.86     1.86     1.86     1.85
WAT2        382      382      382      382      382      382      382      382

N1         5205     5205     5205     5205     5205     5205     5205     5253
N2         8137     8137     8137     8137     8137     8137     8137     8173
PT3D       15.6     15.6     15.6     15.6     15.6     15.6     15.6     15.9
PT4        43.2     43.2     43.2     43.2     43.2     43.2     43.7     44.8
TT3D       1119     1119     1119     1119     1119     1119 [illegible]     1126
TT4        1503     1503     1503     1503     1503     1503     1503     1518

PT9         7.7      7.7      7.7      7.7      7.7      7.7      7.7      7.9
PTD        14.2     14.4     14.4     14.5     14.5     14.6     14.7     15.2
TT9        2007     2007     2007     2007     2007     2007     2007     2006
TTD        3560     3000     2750     2500     2250     2000     1762     1126
WAS/WAP  0.0354   0.0331   0.0321   0.0311   0.0299   0.0288   0.0277   0.0244
VENG       1980     1980     1980     1980     1980     1980     1980     1979
VDUCT      2618     2408     2308     2204     2094     1977     1859     1495
AJCDE      5.20     5.20     5.20     5.20     5.20     5.20     5.20     6.20
AJCOD      7.61     6.78     6.41     6.04     5.67     5.28     4.90     3.64

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ALT        55000   WASIZE      640   PT2/PT2P  0.904   WBL3       0.
MO          2.20   PAM         1.3   PT2        12.9   WBL4       0.
VA KTS      1262   TAM         390   TT2         767   HPEXT      0.

MAXTHR   MAX D/H                                MIN D/H NOT LIT

FNT        26487    22976    21368    19714    18011    16235    13118     7797
FGT        49201    45771    44163    42309    40806    39029    35913    30591
WAT          344      344      344      344      344      344      344      344
WFT        50549    39534    35116    30948    27177    23565    17998    10209
TSFC       1.908    1.721    1.643    1.570    1.509    1.452    1.372    1.309
BPR         1.77     1.77     1.77     1.77     1.77     1.77     1.77     1.75
WAT2         478      478      478      478      478      478      478      478

N1          5394     5395     5395     5395     5395     5395     5395     5438
N2          8156     8156     8156     8156     8156     8156     8156     8205
PT3D        22.8     22.8     22.8     22.8     22.8     22.8     22.8     23.5
PT4         79.1     79.1     79.1     79.1     79.1     79.1     79.1     82.0
TT3D         926      926      926      926      926      926      926      935
TT4         1333     1333     1333     1333     1333     1333     1333     1349

PT9         14.2     14.2     14.2     14.2     14.2     14.2     14.2     14.7
PTD         20.0     20.3     20.5     20.7     20.8     20.9     21.1     22.3
TT9         2000     2000     2000     2000     2000     2000     2000     1998
TTD         3560     3000     2750     2500     2250     2000     1589      935
WAS/WAP   0.0395   0.0371   0.0360   0.0348   0.0336   0.0323   0.0301   0.0263
VENG        1976     1976     1976     1976     1976     1976     1976     1975
VDUCT       2618     2408     2308     2205     2093     1977     1767     1365
AJCDE       5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.21
AJCDO       9.53     8.43     7.94     7.46     6.97     6.49     5.65     3.94

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ALT        55000   WASIZE      640   PT2/PT2P  0.870   WBL3       0.
MO          2.50   PAM         1.3   PT2        17.8   WBL4       0.
VA KTS      1434   TAM         390   TT2         875   HPEXT      0.

MAXTHR   MAX D/H                                MIN D/H NOT LIT

FNT        33275    28377    26132    23831    21468    19009    15718     8675
FGT        66996    62099    59853    57553    55190    52730    49440    42377
WAT          448      448      448      448      448      448      448      448
WFT        63534    49088    43207    37827    32880    28154    22460    12176
TSFC       1.909    1.730    1.657    1.587    1.532    1.481    1.429    1.407
BPR         1.83     1.83     1.83     1.83     1.83     1.83     1.83     1.81
WAT2         432      432      432      432      432      432      432      432

N1          5374     5374     5374     5374     5374     5374     5374     5413
N2          8155     8155     8155     8155     8155     8159     8155     8219
PT3D        32.4     32.4     32.4     32.4     32.4     32.4     32.4     33.3
PT4        101.1    101.1    101.1    101.1    101.1    101.1    101.1    104.1
TT3D        1030     1030     1030     1030     1030     1030     1030     1039
TT4         1432     1432     1432     1432     1432     1432     1432     1440

PT9         18.0     18.0     18.0     18.0     18.0     18.0     18.0     18.7
PTD         28.9     29.4     29.5     29.7     29.9     30.0     30.2     31.6
TT9         1997     1997     1997     1997     1997     1997     1997     1996
TTD         3560     3000     2750     2500     2250     2000     1683     1039
WAS/WAP   0.0371   0.0348   0.0337   0.0326   0.0314   0.0302   0.0286   0.0251
VENG        1974     1974     1974     1974     1974     1974     1974     1974
VDUCT       2618     2408     2308     2204     2093     1977     1813     1437
AJCDE       5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDO       8.66     7.68     7.25     6.82     6.39     5.95     5.37     3.87

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ALT        55000   WASIZE      640   PT2/PT2P  0.846   WBL3       0.
MO          2.70   PAM         1.3   PT2        26.3   WBL4       0.
VA KTS      1548   TAM         390   TT2         954   HPEXT      0.

MAXTHR   MAX D/H                                MIN D/H NOT LIT

FNT        38316    32257    29487    26668    23765    20749    17634     9171
FGT        81573    75513    72744    69924    67022    64005    60890    52428
WAT          533      533      533      533      533      533      533      533
WFT        73374    55959    48990    42701    36820    31225    25921    13597
TSFC       1.915    1.735    1.661    1.601    1.550    1.505    1.470    1.483
BPR         1.85     1.85     1.85     1.85     1.85     1.85     1.85     1.84
WAT2         404      404      404      404      404      404      404      404

N1          5351     5351     5351     5351     5351     5351     5351     5392
N2          8219     8219     8219     8219     8219     8219     8219     8262
PT3D        41.2     41.2     41.2     41.2     41.2     41.2     41.2     42.1
PT4        119.7    119.7    119.7    119.7    119.7    119.7    119.7    124.1
TT3D        1108     1108     1108     1108     1108     1108     1108     1114
TT4         1505     1505     1505     1505     1505     1505     1505     1520

PT9         21.2     21.2     21.2     21.2     21.2     21.2     21.2     21.9
PTD         37.2     37.7     37.9     38.1     38.2     38.4     38.6     40.1
TT9         1994     1994     1994     1994     1994     1994     1994     1994
TTD         3560     3000     2750     2500     2250     2000     1753     1116
WAS/WAP   0.0355   0 0333   0.0323   0.0312   0.0301   0.0289   0.0278   0.0244
VENG        1973     1973     1973     1973     1973     1973     1973     1973
VDUCT       2618     2408     2308     2204     2093     1977     1854     1489
AJCDE       5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDO       8.00     7.12     6.73     6.34     5.94     5.54     5.12     3.78

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ALT        65000   WASIZE      640   PT2/PT2P  0.904   WBL3       0.
MO          2.20   PAM         0.8   PT2         8.0   WBL4       0.
VA KTS      1262   TAM         390   TT2         767   HPEXT      0.

MAXTHR   MAX D/H                                MIN D/H NOT LIT

FNT        16370    14188    13188    12159    11099     9994     8023     4690
FGT        30505    28323    27323    26254    25234    24127    22158    18824
WAT          214      214      214      214      214      214      214      214
WFT        31563    24655    21884    19270    16905    14440    11105     6214
TSFC       1.928    1.738    1.659    1.585    1.523    1.445    1.384    1.325
BPR         1.82     1.82     1.82     1.82     1.82     1.82     1.82     1.81
WAT2         478      478      478      478      478      478      478      478

N1          5374     5374     5374     5374     5374     5374     5374     5410
N2          8092     8092     8092     8092     8092     8092     8092     8140
PT3D        13.7     13.7     13.7     13.7     13.7     13.7     13.7     14.2
PT4         48.0     48.0     48.0     48.0     48.0     48.0     48.0     49.8
TT3D         921      921      921      921      921      921      921      928
TT4         1330     1330     1330     1330     1330     1330     1330     1345

PT9          8.6      8.6      8.6      8.6      8.6      8.6      8.6      8.9
PTD         11.9     12.1     12.3     12.4     12.5     12.5     12.7     13.4
TT9         2004     2004     2004     2004     2004     2004     2004     2004
TTD         3560     3000     2750     2500     2250     2000     1583      928
WAS/WAP   0.0396   0.0372   0.0360   0.0348   0.0336   0.0323   0.0301   0.0262
VENG        1978     1978     1978     1978     1978     1978     1978     1978
VDUCT       2618     2408     2308     2203     2093     1977     1764     1360
AJCDE       5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.20
AJCDO      10.02     5.85     8.33     7.82     7.31     6.79     5.90     4.11

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ALT        65000   WASIZE      640   PT2/PT2P  0.870   WBL3       0.
MO          2.50   PAM         0.8   PT2        12.3   WBL4       0.
VA KTS      1434   TAM         390   TT2         875   HPEXT      0.

MAXTHR   MAX D/H                                MIN D/H NOT LIT

FNT        20621    17571    16172    14739    13265    11732     9666     5228
FGT        41532    38482    37083    35649    34176    32642    30557    24138
WAT          278      278      278      278      278      278      278      278
WFT        39645    30601    26969    23551    20453    17494    13875     7434
TSFC       1.923    1.742    1.668    1.598    1.542    1.491    1.438    1.422
BPR         1.88     1.88     1.88     1.88     1.88     1.88     1.88     1.86
WAT2         432      432      432      432      432      432      432      432

N1          5355     5355     5355     5355     5355     5355     5355     5392
N2          8098     8098     8098     8098     8098     8098     8098     8162
PT3D        19.7     19.7     19.7     19.7     19.7     19.7     19.7     20.2
PT4         61.6     61.6     61.6     61.6     61.6     61.6     61.6     64.0
TT3D        1025     1025     1025     1025     1025     1025     1025     1033
TT4         1429     1429     1429     1429     1429     1429     1429     1444

PT9         11.0     11.0     11.0     11.0     11.0     11.0     11.0     11.4
PTD         17.4     17.7     17.8     17.9     18.0     18.1     18.3     19.1
TT9         2002     2002     2002     2002     2002     2002     2002     2001
TTD         3560     3000     2750     2500     2250     2000     1678     1033
WAS/WAP   0.0372   0.0348   0.0337   0.0326   0.0315   0.0302   0.0286   0.0250
VENG        1977     1977     1977     1977     1977     1977     1977     1976
VDUCT       2618     2408     2308     2204     2093     1977     1815     1434
AJCDE       5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.21
AJCDO       9.00     7.97     7.52     7.07     6.62     6.16     5.55     3.99

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ALT        65000   WASIZE      640   PT2/PT2P  0.846   WBL3       0.
MO          2.70   PAM         0.8   PT2        16.3   WBL4       0.
VA KTS      1548   TAM         390   TT2         954   HPEXT      0.

MAXTHR   MAX D/H                                MIN D/H NOT LIT

FNT        23768    19996    18271    16514    14705    12824    10847     5553
FGT        50591    46820    45094    43337    41528    39648    37670    32377
WAT          330      330      330      330      330      330      330      330
WFT        45756    34867    30510    26578    22907    19403    16030     8319
TSFC       1.925    1.744    1.670    1.609    1.558    1.513    1.478    1.498
BPR         1.90     1.90     1.90     1.90     1.90     1.90     1.90     1.89
WAT2         404      404      404      404      404      404      404      404

N1          5331     5331     5331     5331     5331     5331     5331     5371
N2          8180     8180     8180     8180     8180     8180     8180     8219
PT3D        25.1     25.1     25.1     25.1     25.1     25.1     25.1     25.6
PT4         73.1     73.1     73.1     73.1     73.1     73.1     73.1     75.7
TT3D        1104     1104     1104     1104     1104     1104     1104     1111
TT4         1501     1501     1501     1501     1501     1501     1501     1516

PT9         13.0     13.0     13.0     13.0     13.0     13.0     13.0     13.4
PTD         22.5     22.9     23.0     23.1     23.2     23.3     23.4     24.4
TT9         2000     2000     2000     2000     2000     2000     2000     1999
TTD         3560     3000     2750     2500     2250     2000     1749     1111
WAS/WAP   0.0356   0.0334   0.0323   0.0312   0.0301   0.0290   0.0277   0.0244
VENG        1976     1976     1976     1976     1976     1976     1976     1976
VDUCT       2618     2408     2308     2204     2093     1977     1852     1485
AJCDE       5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDO       8.26     7.34     6.93     6.53     6.12     5.70     5.24     3.88

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DOWNGRADED AT 3 YEAR INTERVALS; DECLASSIFIED AFTER 12 YEARS.
DOD DIR 5200.10

ALT	75000	WASIZE	640	PT2/PT2P	0.904	WBL3	0.
MN	2.50	PAM	0.5	PT2	5.8	WBL4	0.
[illegible] STS	3270	TAM	395	TT2	779	HPEXT	0.

MAXTHR	MAX D/H							MIN D/H NOT LIT
FNT	9934	8603	7986	7347	6689	5999	4764	2698
FGT	18710	17399	16780	16141	15482	14705	11560	11467
WAT	132	132	132	132	132	132	132	132
WFT	19705	15334	13587	11935	10441	9009	6766	3678
TSFC	1.979	1.783	1.701	1.625	1.561	1.502	1.420	1.366
BPR	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.93
WAT2	478	478	478	478	478	478	478	478
[illegible]	5342	5342	5342	5342	5342	5342	5342	5397
N2	7987	7987	7987	7987	7987	7987	7987	8050
PT30	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.3
PT4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	29.5
[illegible]	919	919	919	919	919	919	919	927
TT4	1335	1335	1335	1335	1335	1335	1335	1350
[illegible]	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.3
[illegible]	6.8	6.9	7.0	7.1	7.2	7.2	7.3	7.8
TT9	2010	2010	2010	2010	2010	2010	2010	2009
TTO	3560	3000	2750	2500	2250	2000	1581	927
[illegible]	0.0395	0.0371	0.0359	0.0347	0.0334	0.0321	0.0298	0.0258
[illegible]	1982	1981	1981	1981	1981	1981	1981	1980
VDUCT	2618	2408	2306	2203	2093	1977	1764	1359
AJCOE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.21
[illegible]	11.13	9.79	9.28	8.62	8.04	7.46	6.46	4.46

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ALT	75000	WASIZE	640	PT2/PT2P	0.870	WBL3	0.
MN	2.50	PAM	0.5	PT2	7.6	WBL4	0.
[illegible] STS	1443	TAM	395	TT2	886	HPEXT	0.

MAXTHR	MAX D/H							MIN D/H NOT LIT
FNT	12410	10721	9849	8956	8037	7081	5787	3019
FGT	25621	23731	22867	21976	21048	20091	18757	16629
WAT	172	172	172	172	172	172	172	172
WFT	24663	18979	16694	14547	12600	10740	8478	5418
TSFC	1.959	1.770	1.695	1.624	1.568	1.517	1.465	1.465
BPR	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.97
WAT2	432	432	432	432	432	432	432	432
[illegible]	5349	5349	5349	5349	5349	5349	5349	5383
N2	8040	8040	8040	8040	8040	8040	8040	8095
PT30	11.7	11.7	11.7	11.7	11.7	11.7	11.7	12.1
PT4	36.8	36.8	36.8	36.8	36.8	36.8	36.8	38.7
[illegible]	1027	1027	1027	1027	1027	1027	1027	1035
TT4	1436	1436	1436	1436	1436	1436	1436	1450
[illegible]	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.8
[illegible]	10.2	10.4	10.5	10.6	10.7	10.7	10.8	11.3
TT9	2007	2007	2007	2007	2007	2007	2007	2006
TTO	3560	3000	2750	2500	2250	2000	1679	1335
[illegible]	0.0370	0.0347	0.0336	0.0325	0.0313	0.0301	0.0284	0.0248
[illegible]	1979	1979	1979	1979	1979	1979	1979	1979
VDUCT	2618	2408	2305	2204	2093	1977	1616	1635
AJCOE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
[illegible]	9.51	8.50	8.01	7.53	7.04	6.55	5.69	4.26

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ALT	75000	WASIZE	640	PT2/PT2P	0.846	WBL3	0.
MN	2.70	PAM	0.5	PT2	10.1	WBL4	0.
[illegible] STS	1598	TAM	395	TT2	984	HPEXT	0.

MAXTHR	MAX D/H							MIN D/H NOT LIT
FNT	14569	12219	11142	10044	8930	7764	6527	3222
FGT	31259	28908	27832	26716	25608	24434	23216	19912
WAT	204	204	204	204	204	204	204	204
WFT	28433	21401	18447	16400	14096	11897	9807	4963
TSFC	1.952	1.760	1.655	1.632	1.581	1.536	1.501	1.540
BPR	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.97
WAT2	404	404	404	404	404	404	404	404
[illegible]	5315	5315	5315	5315	5315	5315	5315	5330
N2	8146	8146	8146	8146	8146	8146	8146	8183
PT30	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.4
PT4	43.9	43.9	43.9	43.9	43.9	43.9	43.9	45.5
[illegible]	1107	1107	1107	1107	1107	1107	1107	1116
TT4	1509	1509	1509	1509	1509	1509	1509	1524
[illegible]	7.8	7.8	7.8	7.8	7.8	7.8	7.8	8.0
[illegible]	13.5	13.6	13.7	13.8	13.8	13.9	14.0	14.6
TT9	2005	2005	2005	2005	2005	2005	2005	2004
TTO	3560	3000	2750	2500	2250	2000	1752	1115
[illegible]	0.0385	0.0352	0.0342	0.0331	0.0320	0.0288	0.0276	0.0242
[illegible]	1979	1979	1979	1979	1979	1979	1979	1978
VDUCT	2618	2408	2302	2204	2093	1977	1854	1488
AJCOE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.21
[illegible]	8.72	7.76	7.31	6.88	6.44	6.00	5.56	4.00

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DOWNGRADED AT 3 YEAR INTERVALS;
DECLASSIFIED AFTER 12 YEARS.
DOD DIR 5200.10

ALT	55000	WASIZE	640	PT2/PT2P	0.904	WBL3	0.
MO	2.20	PAM	1.3	PT2	12.9	WBL4	0.
VA KTS	1262	TAM	390	TT2	767	HPEXT	0.

MAXTHR	MAX D/H						MIN D/H NOT LIT	
FNT	25981	22551	20976	19360	17697	15963	12957	[illegible]
FGT	48318	44887	43313	41656	40634	38300	35294	30122
WAT	337	337	337	337	337	337	337	337
WFT	49283	38572	34302	30256	26595	23089	17735	10151
TSFC	1.897	1.711	1.635	1.563	1.503	1.446	1.369	1.308
BPR	1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.71
WAT2	468	468	468	468	468	468	468	468
N1	5367	5367	5367	5367	5367	5367	5367	5414
N2	8156	8156	8156	8156	8156	8156	8156	8205
PT3D	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.8
PT4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	81.7
TT3D	931	931	931	931	931	931	931	940
TT4	1332	1332	1332	1332	1332	1332	1332	1348
PT9	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.6
PTD	20.5	20.9	21.1	21.2	21.3	21.5	21.6	22.7
TT9	2000	2000	2000	2000	2000	2000	2000	1999
TTD	3560	3000	2750	2500	2250	2000	1593	940
MAS/WAP	0.0395	0.0371	0.0359	0.0348	0.0336	0.0323	0.0302	0.0264
VENG	1976	1976	1976	1976	1976	1976	1976	1975
VOUCT	2618	2408	2308	2203	2093	1977	1770	1369
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
AJCDO	8.99	7.96	7.51	7.06	6.61	6.15	5.37	3.76

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ALT	55000	WASIZE	640	PT2/PT2P	0.870	WBL3	0.
MO	2.50	PAM	1.3	PT2	19.8	WBL4	0.
VA KTS	1434	TAM	390	TT2	875	HPEXT	0.

MAXTHR	MAX D/H						MIN D/H NOT LIT	
FNT	30381	25987	23769	21919	19809	17615	14363	8699
FGT	61354	56961	54952	52893	50783	48589	45837	39672
WAT	412	412	412	412	412	412	412	412
WFT	56999	44277	39011	34353	29996	25835	21110	12132
TSFC	1.876	1.705	1.628	1.567	1.514	1.467	1.420	1.395
BPR	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.60
WAT2	397	397	397	397	397	397	397	397
N1	5296	5296	5296	5296	5296	5296	5296	5381
N2	8152	8152	8152	8152	8152	8152	8152	8216
PT3D	34.2	34.2	34.2	34.2	34.2	34.2	34.2	35.2
PT4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	[illegible]
TT3D	1051	1051	1051	1051	1051	1051	1051	1061
TT4	1428	1428	1428	1428	1428	1428	1428	1444
PT9	17.8	17.8	17.8	17.8	17.8	17.8	17.8	18.6
PTD	31.6	32.0	32.1	32.2	32.3	32.5	32.6	34.0
TT9	1998	1998	1998	1998	1998	1998	1998	1996
TTD	3560	3000	2750	2500	2250	2000	1702	1061
MAS/WAP	0.0348	0.0346	0.0336	0.0325	0.0314	0.0302	0.0288	0.0255
VENG	1975	1975	1975	1975	1975	1975	1975	1974
VOUCT	2618	2408	2308	2204	2093	1977	1828	1453
AJCDE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20
AJCDO	6.97	6.21	5.88	5.54	5.20	4.85	4.41	3.19

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ALT	55000	WASIZE	640	PT2/PT2P	0.846	WBL3	0.
MO	2.70	PAM	1.3	PT2	26.3	WBL4	0.
VA KTS	1548	TAM	390	TT2	955	HPEXT	0.

MAXTHR	MAX D/H						MIN D/H NOT LIT	
FNT	32946	27900	25599	23258	20853	18354	16114	8663
FGT	70830	65792	63491	61151	58745	56247	54006	46555
WAT	466	466	466	466	466	466	466	466
WFT	61632	47456	41775	36647	31862	27297	23515	12732
TSFC	1.871	1.701	1.632	1.576	1.528	1.487	1.459	1.470
BPR	1.52	1.52	1.52	1.52	1.52	1.52	1.52	1.54
WAT2	354	354	354	354	354	354	354	354
N1	5291	5291	5291	5291	5291	5291	5291	5303
N2	8211	8211	8211	8211	8211	8211	8211	8189
PT3D	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.7
PT4	118.7	118.7	118.7	118.7	118.7	118.7	118.7	120.1
TT3D	1143	1143	1143	1143	1143	1143	1143	1143
TT4	1502	1502	1502	1502	1502	1502	1502	1507
PT9	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.1
PTD	42.2	42.5	42.6	42.7	42.8	42.9	43.0	43.4
TT9	1996	1996	1996	1996	1996	1996	1996	1947
TTD	3560	3000	2750	2500	2250	2000	1785	1143
MAS/WAP	0.0351	0.0330	0.0321	0.0311	0.0300	0.0289	0.0280	0.0247
VENG	1974	1974	1974	1974	1974	1974	1974	1950
VOUCT	2618	2408	2309	2204	2094	1977	1871	1507
AJCDE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.22
AJCDO	5.76	5.18	4.88	4.61	4.33	4.04	3.79	2.70

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ALT	65000	WASIZE	640	PT2/PT2P	0.904	WBL3	0.
MO	2.20	PAM	0.8	PT2	8.0	WBL4	0.
VA KTS	1262	TAM	390	TT2	767	HPEXT	0.

MAXTHR	MAX D/H						MIN D/H NOT LIT	
FNT	16072	13935	12956	11949	10912	9831	7926	4686
FGT	29923	27788	26837	25800	24763	23681	21777	18536
WAT	209	209	209	209	209	209	209	209
WFT	30794	24079	21384	18845	16547	14345	10939	6193
TSFC	1.916	1.728	1.651	1.577	1.516	1.459	1.380	1.322
BPR	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.77
WAT2	468	468	468	468	468	468	468	468
N1	5338	5338	5338	5338	5338	5338	5338	5381
N2	8091	8091	8091	8091	8091	8091	8091	8141
PT3D	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.4
PT4	47.7	47.7	47.7	47.7	47.7	47.7	47.7	49.5
TT3D	925	925	925	925	925	925	925	933
TT4	1328	1328	1328	1328	1328	1328	1328	1343
PT9	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.9
PTD	12.3	12.5	12.6	12.7	12.8	12.9	13.0	13.7
TT9	2005	2005	2005	2005	2005	2005	2005	2004
TTD	3560	3000	2750	2500	2250	2000	1587	933
MAS/WAP	0.0396	0.0371	0.0360	0.0348	0.0336	0.0323	0.0301	0.0262
VENG	1978	1978	1978	1978	1978	1978	1978	1978
VOUCT	2618	2408	2308	2203	2093	1977	1767	1364
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
AJCDO	9.45	8.36	7.87	7.40	6.92	6.43	5.60	3.92

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ALT	65000	WASIZE	640	PT2/PT2P	0.870	WBL3	0.
MO	2.50	PAM	0.8	PT2	12.3	WBL4	0.
VA KTS	1434	TAM	390	TT2	875	HPEXT	0.

MAXTHR	MAX D/H						MIN D/H NOT LIT	
FNT	18863	16114	14853	13571	12250	10877	9117	5236
FGT	38070	35323	34060	32778	31457	30084	28324	24441
WAT	255	255	255	255	255	255	255	255
WFT	35641	27646	24338	21412	18674	16059	13031	7378
TSFC	1.889	1.715	1.639	1.578	1.524	1.476	1.429	1.410
BPR	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.66
WAT2	397	397	397	397	397	397	397	397
N1	5245	5245	5245	5245	5245	5245	5245	5320
N2	8096	8096	8096	8096	8096	8096	8096	8138
PT3D	20.7	20.7	20.7	20.7	20.7	20.7	20.7	21.3
PT4	60.6	60.6	60.6	60.6	60.6	60.6	60.6	63.3
TT3D	1044	1044	1044	1044	1044	1044	1044	1054
TT4	1423	1423	1423	1423	1423	1423	1423	1440
PT9	10.8	10.8	10.8	10.8	10.8	10.8	10.8	11.3
PTD	19.1	19.3	19.4	19.5	19.5	19.6	19.7	20.5
TT9	2004	2004	2004	2004	2004	2004	2004	2002
TTD	3560	3000	2750	2500	2250	2000	1695	1054
MAS/WAP	0.0369	0.0347	0.0336	0.0325	0.0314	0.0303	0.0288	0.0254
VENG	1978	1978	1978	1978	1978	1978	1978	1977
VOUCT	2618	2408	2308	2204	2093	1977	1824	1448
AJCDE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20
AJCDO	7.26	6.47	6.12	5.76	5.41	5.04	4.58	3.31

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ALT	65000	WASIZE	640	PT2/PT2P	0.846	WBL3	0.
MO	2.70	PAM	0.8	PT2	16.3	WBL4	0.
VA KTS	1548	TAM	390	TT2	954	HPEXT	0.

MAXTHR	MAX D/H						MIN D/H NOT LIT	
FNT	20487	17328	15886	14421	12913	11348	9906	5542
FGT	43984	40825	39383	37917	36410	34845	33403	29039
WAT	289	289	289	289	289	289	289	289
WFT	38539	29633	26064	22843	19837	16969	14530	8176
TSFC	1.881	1.710	1.643	1.584	1.536	1.495	1.467	1.475
BPR	1.57	1.57	1.57	1.57	1.57	1.57	1.57	1.56
WAT2	354	354	354	354	354	354	354	354
N1	5233	5233	5233	5233	5233	5233	5233	5246
N2	8169	8169	8169	8169	8169	8169	8169	8198
PT3D	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.6
PT4	72.1	72.1	72.1	72.1	72.1	72.1	72.1	74.6
TT3D	1136	1136	1136	1136	1136	1136	1136	1143
TT4	1496	1496	1496	1496	1496	1496	1496	1511
PT9	12.8	12.8	12.8	12.8	12.8	12.8	12.8	13.2
PTD	25.6	25.8	25.8	25.9	26.0	26.0	26.1	26.8
TT9	2001	2001	2001	2001	2001	2001	2001	1993
TTD	3560	3000	2750	2500	2250	2000	1779	1143
MAS/WAP	0.0352	0.0331	0.0321	0.0311	0.0301	0.0290	0.0280	0.0249
VENG	1977	1977	1977	1977	1977	1977	1977	1973
VOUCT	2618	2408	2309	2204	2094	1977	1868	1507
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.19
AJCDO	5.96	5.34	5.06	4.77	4.46	4.18	3.91	2.92

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ALT	75000	WASIZE	640	PT2/PT2P	0.904	WBL3	C.
MO	2.30	PAN	0.5	PT2	5.8	WBL4	0.
VA KTS	1270	TAM	395	TT2	776	HPEXT	0.

MAXTHR	MAX D/H						MIN D/H NOT LIT	
FNT	9790	8470	7861	7234	6583	5913	4717	[illegible]
FGT	18415	17687	16474	15851	15205	14530	13334	[illegible]
WAT	129	129	129	129	129	129	129	[illegible]
WFT	19233	14985	13281	11674	10228	8827	6664	[illegible]
TSFC	1.953	1.769	1.689	1.614	1.551	1.493	1.413	[illegible]
BPR	1.91	1.91	1.91	1.91	1.91	[illegible]	1.91	[illegible]
WAT2	468	468	468	468	468	468	468	468
N1	5321	5321	5321	5321	5321	5321	5321	5357
N2	7987	7987	7987	7987	7987	7987	7987	8030
PT3D	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.5
PT4	28.3	28.3	28.3	28.3	28.3	28.3	28.3	29.4
TT3D	923	923	923	923	923	923	[illegible]	931
TT4	1332	1332	1332	1332	1332	1332	1332	1347
PT9	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.3
PTD	7.0	7.2	7.3	7.3	7.4	7.4	7.5	8.0
TT9	2011	2011	2011	2011	2011	2011	2011	[illegible]
TTD	3560	3000	2750	2500	2250	2000	1585	[illegible]
WAS/WAP	[illegible]	0.0370	0.0359	0.0347	0.0336	0.0321	0.0299	[illegible]
WENG	1981	1981	1981	1981	1981	1981	1981	[illegible]
VDUCT	2618	2408	2306	2205	2093	1977	1766	[illegible]
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	[illegible]
AJCDD	10.41	9.19	8.64	8.10	7.57	7.03	6.10	[illegible]

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ALT	75000	WASIZE	640	PT2/PT2P	0.870	WBL3	C.
MO	2.50	PAN	0.5	PT2	7.8	WBL4	0.
VA KTS	1443	TAM	395	TT2	860	HPEXT	0.

MAXTHR	MAX D/H						MIN D/H NOT LIT	
FNT	10579	9858	9047	8363	7634	6972	5467	3010
FGT	23550	21859	21017	20213	19185	18523	17417	14360
WAT	158	158	158	158	158	158	158	158
WFT	22237	17186	15095	13246	11914	9264	7949	4357
TSFC	1.920	1.743	1.665	1.603	1.549	1.501	1.454	1.448
BPR	1.80	1.80	1.80	1.80	1.80	1.80	1.85	1.78
WAT2	397	397	397	397	397	397	397	397
N1	5199	5199	5199	5199	5199	5199	5199	5251
N2	8031	8031	8031	8031	8031	8031	8031	8083
PT3D	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.7
PT4	36.0	36.0	36.0	36.0	36.0	36.0	36.0	37.5
TT3D	1044	1044	1044	1044	1044	1044	1044	1053
TT4	1428	1428	1428	1428	1428	1428	1428	1443
PT9	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.7
PTD	11.2	11.4	11.5	11.5	11.6	11.6	11.7	12.2
TT9	2010	2010	2010	2010	2010	2010	2015	2069
TTD	3560	3000	2750	2500	2250	2000	1695	1051
WAS/WAP	0.0356	0.0346	0.0335	0.0324	0.0313	0.0301	0.0286	0.0251
WENG	1981	1981	1981	1981	1981	1981	1981	1990
VDUCT	2615	2408	2308	2204	2093	1977	1824	1441
AJCDE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20
AJCDD	7.77	6.91	6.35	6.15	5.77	5.38	4.81	3.94

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ALT	75000	WASIZE	640	PT2/PT2P	0.846	WBL3	C.
MO	2.70	PAN	0.5	PT2	10.1	WBL4	0.
VA KTS	1350	TAM	395	TT2	966	HPEXT	0.

MAXTHR	MAX D/H						MIN D/H NOT LIT	
FNT	12407	10621	9715	8794	7846	6861	5955	5240
FGT	27277	25742	24335	23414	22466	21481	20575	17665
WAT	179	179	179	179	175	179	179	179
WFT	24052	18420	16164	14127	12226	10413	8873	6106
TSFC	1.908	1.734	1.664	1.606	1.558	1.518	1.490	1.517
BPR	1.67	1.67	1.67	1.57	1.67	1.67	1.57	1.65
WAT2	354	354	354	354	354	354	354	354
N1	5157	5157	5157	5157	5157	5157	5157	5229
N2	8131	8131	8131	8131	8131	8131	8131	8168
PT3D	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.6
PT4	42.9	42.9	42.9	42.9	42.9	42.9	42.9	44.6
TT3D	1137	1137	1137	1137	1137	1137	1137	1146
TT4	1500	1500	1500	1500	1500	1500	1500	1517
PT9	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.9
PTD	15.2	15.3	15.4	15.4	15.5	15.5	15.6	16.1
TT9	2008	2008	2008	2008	2008	2008	2008	[illegible]
TTD	3560	3000	2750	2500	2250	2000	1779	1146
WAS/WAP	0.0351	0.0330	0.0320	0.0310	0.0299	0.0288	0.0278	0.0247
WENG	1980	1980	1980	1980	1980	1980	1980	1979
VDUCT	2614	2408	2309	2234	2094	1977	1862	1568
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.20
AJCDD	6.34	5.67	5.37	5.07	4.78	4.44	4.15	3.69

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THIS DOCUMENT CONTAINS INFORMATION AFFECTING THE NATIONAL DEFENSE OF THE UNITED STATES WITHIN THE MEANING OF THE ESPIONAGE LAWS, TITLE 18, U.S.C., SECTIONS 793 AND 794. ITS TRANSMISSION OR THE REVELATION OF ITS CONTENTS IN ANY MANNER TO AN UNAUTHORIZED PERSON IS PROHIBITED BY LAW.

DOWNGRADED AT 3 YEAR INTERVALS;
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DOD DIR 5200.10

ALT	[illegible]	WASIZE	[illegible]	PT2/PT2P	[illegible]	WBL3	0.
MN	[illegible]	PAM	14.7	PT2	14.7	WBL4	0.
VA KTS	0	TAM	519	TT2	5[illegible]	HPEXT	[illegible]

MAXTHR	MAX D/H						MIN D/H NOT LIT
FNT	52163	49126	47621	46122	44645	42921	38715	33714
FGT	52163	49126	47621	46122	44645	42921	38715	33714
WAT	615	615	615	615	615	615	615	615
WFT	77776	78847	71235	[illegible]	57617	51640	[illegible]	25455
TSFC	1.491	1.605	1.496	1.344	1.291	1.203	[illegible]	0.755
BPR	1.36	1.36	1.36	1.36	1.36	1.36	1.36	1.37
WAT2	626	626	626	626	626	626	626	626
N1	5842	5842	5842	5842	5842	5842	5842	5877
N2	8525	8525	8525	8525	8525	8525	8525	8545
PT30	37.2	37.2	37.2	37.2	37.2	37.2	37.2	38.5
PT4	164.7	164.7	164.7	164.7	164.7	164.7	164.7	171.6
TT30	739	739	739	739	739	739	739	752
TT4	1166	1166	1166	1166	1166	1166	1166	[illegible]
PT9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	31.1
PTD	33.6	34.1	34.3	34.6	34.9	35.1	35.5	38.1
TT9	1989	1989	1989	1989	1989	1989	1989	1988
TTD	3560	3000	2750	2500	2250	2000	[illegible]	752
WAS/WAP	0.0461	0.0437	0.0424	0.0412	0.0399	0.0385	0.0361	0.0307
VENG	1970	1970	1970	1970	1970	1970	1970	1970
VOUCT	2617	2407	2304	2201	2097	1976	1723	1226
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
AJCDO	9.21	8.14	7.67	7.20	6.77	[illegible]	5.10	3.35

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ALT	0	WASIZE	[illegible]	PT2/PT2P	[illegible]	WBL3	[illegible]
MN	0.29	PAM	14.7	PT2	16.1	WBL4	0.
VA KTS	335	TAM	539	TT2	547	HPEXT	0.

[illegible]	MAX D/H						[illegible]
FNT	49279	46132	44651	43109	41503	[illegible]	35403	30768
FGT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
WAT	627	627	627	627	627	627	627	627
WFT	95375	76740	69468	62402	56131	50086	37266	25201
TSFC	1.936	1.664	1.556	1.450	1.352	1.254	1.055	0.817
BPR	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35
WAT2	623	623	623	623	623	623	623	623
N1	5828	[illegible]	5828	5828	5828	5828	5828	5865
N2	8535	8535	8535	8535	8535	8535	8535	[illegible]
PT30	38.6	38.6	38.6	38.6	38.6	38.6	[illegible]	[illegible]
PT4	167.2	167.2	167.2	167.2	167.2	167.2	167.2	174.6
TT30	742	742	742	742	742	742	742	755
TT4	1155	1155	1155	1155	1155	1155	1155	[illegible]
PT9	30.3	30.3	30.3	30.3	30.3	30.3	30.3	31.[illegible]
PTD	34.0	34.6	34.9	35.2	35.5	35.7	[illegible]	[illegible]
TT9	1989	1989	1989	1989	1989	1989	1989	[illegible]
TTD	3560	3000	2750	2500	2250	2000	[illegible]	[illegible]
WAS/WAP	0.0452	0.0435	0.0421	0.0410	0.0397	0.0383	0.0355	[illegible]
VENG	1970	1970	1970	1970	1970	1970	1970	[illegible]
VOUCT	2617	2407	2304	2201	[illegible]	1976	[illegible]	[illegible]
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
AJC9D	9.26	8.74	7.71	7.24	6.76	6.29	5.11	3.37

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ALT	0	WASIZE	660	PT2/PT2P	1.000	WBL3	0.
MN	0.40	PAM	14.7	PT2	16.4	WBL4	0.
VA KTS	270	TAM	539	TT2	556	HPEXT	0.

MAXTHR	MAX D/H						MIN D/H NOT LIT
FNT	49030	45564	43934	42238	40674	38598	33849	28209
FGT	58407	54741	53111	51615	49851	47775	43026	37386
WAT	663	663	663	663	663	663	663	663
WFT	100390	80822	72883	63467	58708	52279	38878	25482
TSFC	2.048	1.774	1.659	1.550	1.451	1.354	1.147	0.903
BPR	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.36
WAT2	615	615	615	615	615	615	615	615
N1	5781	5781	5781	5781	5781	5781	5781	5849
N2	8062	8062	8062	8062	8062	8062	8062	8084
PT30	40.4	40.4	40.4	40.4	40.4	40.4	40.4	42.5
PT4	174.3	174.3	174.3	174.3	174.3	174.3	174.3	182.2
TT30	751	751	751	751	751	751	751	764
TT4	1161	1161	1161	1161	1161	1161	1161	1178
PT9	31.6	31.6	31.6	31.6	31.6	31.6	31.5	33.0
PTD	35.6	36.3	36.6	36.9	37.2	37.5	38.0	40.8
TT9	1989	1989	1989	1989	1989	1989	1989	1988
TTD	3560	3000	2750	2500	2250	2000	1430	764
WAS/WAP	0.0457	0.0431	0.0419	0.0406	0.0392	0.0379	0.0346	0.0304
VENG	1970	1970	1970	1970	1970	1970	1970	1970
VOUCT	2617	2407	2305	2203	2093	1976	1779	1236
AJCDE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.21
AJCDO	9.43	8.34	7.86	7.37	6.89	6.40	5.74	3.39

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ALT	0	WASIZE	660	PT2/PT2P	1.000	WBL3	[illegible]
MN	0.60	PAM	14.7	PT2	18.7	WBL4	0.
VA KTS	404	TAM	539	TT2	577	HPEXT	0.

MAXTHR	MAX D/H						MIN D/H NOT LIT
FNT	51325	47247	45161	43369	41310	39126	33759	27110
FGT	77612	73635	70731	68752	66497	64514	59164	52477
WAT	725	725	725	725	725	725	725	725
WFT	109881	88161	79036	71044	63565	56410	41776	24857
TSFC	2.142	1.866	1.750	1.619	1.539	1.442	1.238	0.931
BPR	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.41
WAT2	600	600	600	600	600	600	600	600
N1	5705	5705	5705	5705	5705	5705	5705	[illegible]
N2	8105	8105	8105	8105	8105	8105	8105	[illegible]
PT30	44.2	44.2	44.2	44.2	44.2	44.2	44.2	[illegible]
PT4	186.0	186.0	186.0	186.0	186.0	186.0	186.0	194.[illegible]
TT30	767	767	767	767	767	767	767	778
TT4	1178	1178	1178	1178	1178	1178	1178	[illegible]
PT9	33.7	33.7	33.7	33.7	33.7	33.7	33.7	35.1
PTD	38.8	39.5	39.9	40.2	40.6	40.8	41.4	44.2
TT9	1989	1989	1989	1989	1989	1989	1989	[illegible]
TTD	3560	3000	2750	2500	2250	2000	1445	778
WAS/WAP	0.0453	0.0423	0.041[illegible]	0.0398	0.0385	0.0372	0.0340	0.0297
VENG	1970	1970	1970	1970	1970	1970	1970	1970
VOUCT	2617	[illegible]	2308	2203	2093	1976	1667	1247
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
AJC9D	9.65	8.53	8.03	7.54	7.04	6.54	5.30	3.52

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ALT	0	WASIZE	640	PT2/PT2P	1.000	WBL3	0.
MN	0.70	PAM	14.7	PT2	20.4	WBL4	0.
VA KTS	470	TAM	539	TT2	591	HPEXT	0.

MAXTHR	MAX D/H						MIN D/H NOT LIT
FNT	53303	48861	46750	44589	42324	39971	34161	26839
FGT	72218	67816	65725	63564	61300	58907	53136	45817
WAT	767	767	767	767	767	767	767	767
WFT	116165	92[illegible]	83578	74768	66735	59096	43737	27680
TSFC	2.179	1.904	1.769	1.677	[illegible]	1.480	1.280	1.031
BPR	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.47
WAT2	590	590	590	590	590	590	590	590
[illegible]	5653	5653	5653	5653	5653	5653	5653	5703
N2	8131	8131	8131	8131	8131	8131	8131	8155
PT30	46.7	46.7	46.7	46.7	46.7	46.7	46.7	48.8
PT4	193.4	193.4	193.4	193.4	193.4	193.4	193.4	201.8
TT30	777	777	777	777	777	777	777	788
TT4	1188	1188	1188	1188	1188	1188	1188	1205
[illegible]	35.0	35.0	35.0	35.0	35.0	35.0	35.0	[illegible]
[illegible]	40.8	41.7	42.0	42.4	42.8	43.1	43.7	45.7
TT9	1989	1989	1989	1989	1989	1989	1989	1989
TTD	3560	3000	2750	2500	2250	2000	1454	788
[illegible]	0.0443	0.0419	0.0407	0.0394	0.0381	0.0367	0.0336	0.0294
[illegible]	1970	1970	1970	1970	1970	1970	1970	1970
VOUCT	2617	2408	2308	2203	2093	1976	1693	1255
AJCDE	4.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
[illegible]	9.79	8.64	8.14	7.63	7.13	6.62	5.47	3.59

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ALT	15000	WASIZE	660	PT2/PT2P	1.000	WBL3	0.
MN	0.20	PAM	8.3	PT2	8.5	WBL4	0.
VA KTS	128	TAM	485	TT2	489	HPEXT	0.

MAXTHR	MAX D/H						MIN D/H NOT LIT
FNT	33457	31338	30348	29320	28250	27117	23796	20357
FGT	36099	33959	32959	31771	30700	29768	26467	23306
WAT	395	395	395	395	395	395	395	395
WFT	60496	49044	44430	40141	36208	32479	23869	16277
TSFC	1.809	1.565	1.464	1.369	1.282	1.198	1.003	0.800
BPR	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.29
WAT2	661	661	661	661	661	661	661	661
N1	5976	5976	5976	[illegible]	5976	5976	5976	6015
N2	7896	7896	7896	[illegible]	7896	7896	7896	7912
PT30	24.3	24.3	24.3	24.3	24.3	24.3	24.3	25.4
PT4	107.7	107.7	107.7	107.7	107.7	107.7	107.7	111.3
TT30	698	698	698	698	698	698	698	711
TT4	1094	1094	1094	1094	1094	1094	1094	1104
PT9	19.7	19.7	19.7	19.7	19.7	19.7	19.7	20.3
PTD	21.6	22.1	22.3	22.4	22.6	22.7	23.1	24.5
TT9	1993	1993	1993	1993	1993	1993	1993	[illegible]
TTD	3560	3000	2750	2500	2250	2000	1342	711
WAS/WAP	0.0485	0.0458	0.0445	0.0432	0.0418	0.0404	0.0367	0.0322
VENG	1972	1972	1972	1972	1972	1972	1972	1972
VOUCT	2617	2407	2307	2203	2093	1976	1652	[illegible]
AJCDE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.21
AJCDO	9.00	7.96	7.50	7.04	6.56	6.1[illegible]	4.91	3.16

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ALT	[illegible]	WASIZE	640	PT2/PT2P	1.000	WBL3	0.
MO	0.40	PAM	8.3	PT2	9.3	WBL4	0.
VA KTS	256	TAM	485	TT2	501	HPEXT	0.

MAXTHR	MAX D/H						MIN D/H NOT LIT	
FNT	33662	31138	30265	29140	27973	26735	23185	19438
FGT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
WAT	419	419	419	419	419	419	419	419
WFT	53933	51747	44887	47126	38187	36191	25345	17105
TSFC	1.657	1.552	1.549	1.452	1.366	1.279	1.045	0.880
BPR	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.27
WAT2	653	653	653	653	653	653	653	653
N1	5942	5942	5942	5942	5942	5942	5942	5984
N2	[illegible]	[illegible]	[illegible]	7926	7926	7926	7926	7714
PT30	25.7	25.7	25.7	25.7	25.7	25.7	25.7	[illegible]
PT4	113.9	113.9	113.9	113.9	113.9	113.9	113.9	119.1
TT30	708	708	708	708	708	708	708	720
TT4	1107	1107	1107	1107	1107	1107	1107	1121
PT9	20.8	20.8	20.8	20.8	20.8	20.8	20.8	21.5
PTD	22.9	23.3	23.5	23.7	23.8	24.0	24.3	25.6
TT9	1953	1953	1953	1953	1953	1953	1953	1942
TTD	3560	3000	2750	2500	2250	2000	1391	720
WAS/WAP	0.0480	0.0452	0.0449	0.0433	0.0417	0.0399	0.0363	0.0319
VENG	1972	1972	1972	1972	1972	1972	1972	1972
VDUCT	2617	2407	2337	2203	2093	1976	1287	1209
AJCDE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.21
AJCDO	9.55	8.31	7.55	7.09	6.67	6.25	4.96	3.28

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ALT	15000	WASIZE	640	PT2/PT2P	1.000	WBL3	0.
MO	0.55	PAM	8.3	PT2	9.8	WBL4	0.
VA KTS	[illegible]	TAM	485	TT2	509	HPEXT	0.

MAXTHR	MAX D/H						MIN D/H NOT LIT	
FNT	34637	33235	32224	30571	29133	27015	23621	17716
FGT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	34345	[illegible]	[illegible]
WAT	437	437	437	437	437	437	437	437
WFT	66544	57867	44744	41977	39517	35671	26155	17714
TSFC	1.715	1.687	1.586	1.447	1.394	1.313	1.122	0.919
BPR	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.30
WAT2	665	665	665	665	665	665	665	665
N1	5918	5918	5918	5918	5918	5918	5918	[illegible]
N2	7941	7941	7941	7941	7941	7941	7941	[illegible]
PT30	26.9	26.9	26.9	26.9	26.9	26.9	26.9	[illegible]
PT4	118.6	118.5	118.6	118.6	118.6	118.6	118.6	123.7
TT30	715	715	715	715	715	715	715	728
TT4	1116	1116	1116	1116	1116	1116	1116	1131
PT9	21.6	21.6	21.6	21.6	21.6	21.6	21.6	22.6
PTD	23.9	24.3	24.5	24.6	24.8	25.0	25.3	27.0
TT9	1972	1972	1972	1972	1972	1972	1972	[illegible]
TTD	3560	3000	2750	2500	2250	2000	[illegible]	[illegible]
WAS/WAP	0.0475	0.0449	0.0436	0.0423	[illegible]	0.0396	0.0360	0.0317
VENG	1972	1972	1972	1972	1972	1972	1972	1971
VDUCT	2617	2407	2337	2203	2093	1976	[illegible]	[illegible]
AJCDE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.21
AJCDO	9.07	8.54	7.57	7.11	6.65	6.18	4.59	3.25

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ALT	15000	WASIZE	640	PT2/PT2P	1.000	WBL3	0.
MO	0.60	PAM	8.3	PT2	10.6	WBL4	0.
VA KTS	395	TAM	485	TT2	520	HPEXT	0.

MAXTHR	MAX D/H						MIN D/H NOT LIT	
FNT	33910	32842	31595	30302	28961	27943	23692	19331
FGT	44752	42774	40567	37554	34727	33735	31554	28566
WAT	459	459	459	459	459	459	459	459
WFT	67844	56481	51076	48361	41644	37074	27548	18452
TSFC	1.967	1.720	1.617	1.519	1.433	1.346	1.197	0.934
BPR	1.32	1.32	1.32	1.32	1.32	1.32	1.32	1.31
WAT2	639	639	639	635	639	639	639	639
N1	5888	5888	5888	5888	5888	5888	5888	5937
N2	7966	7966	7966	7966	7966	7966	7966	7992
PT30	28.0	28.0	28.0	28.0	28.0	28.0	28.0	29.4
PT4	124.2	124.2	124.2	124.2	124.2	124.2	124.2	129.0
TT30	723	723	723	723	723	723	723	736
TT4	1127	1127	1127	1127	1127	1127	1127	1142
PT9	22.6	22.6	22.6	22.6	22.6	22.6	22.6	23.4
PTD	24.8	25.3	25.5	25.7	25.9	26.1	26.5	28.4
TT9	1992	1992	1992	1992	1992	1992	1992	1991
TTD	3560	3000	2750	2500	2250	2000	1405	736
WAS/WAP	0.0471	0.0444	0.0432	0.0419	0.0405	0.0392	0.0357	0.0314
VENG	1972	1972	1972	1972	1972	1972	1972	1971
VDUCT	2617	2407	2337	2203	2093	1976	1665	1213
AJCDE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.21
AJCDO	9.19	8.13	7.66	7.19	6.72	6.24	5.05	3.26

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ALT	15000	WASIZE	640	PT2/PT2P	1.000	WBL3	0.
MO	0.85	PAM	8.3	PT2	12.6	WBL4	0.
VA KTS	512	TAM	485	TT2	547	HPEXT	0.

MAXTHR	MAX D/H						MIN D/H NOT LIT	
FNT	39003	35772	34265	32705	31088	29380	25028	19726
FGT	52357	47728	46771	46671	45744	43334	38364	33662
WAT	520	520	520	520	520	520	520	520
WFT	78886	63563	57357	51553	46767	41231	30590	20146
TSFC	2.023	1.777	1.674	1.576	1.488	1.404	1.222	1.021
BPR	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.35
WAT2	620	620	620	620	620	620	620	620
N1	5802	5802	5802	5802	5802	5802	5802	5861
N2	8023	8023	8023	8023	8023	8023	8023	8051
PT30	31.5	31.5	31.5	31.5	31.5	31.5	31.5	33.1
PT4	137.2	137.2	137.2	137.2	137.2	137.2	137.2	143.7
TT30	743	743	743	743	743	743	743	756
TT4	1152	1152	1152	1152	1152	1152	1152	1167
PT9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	25.9
PTD	27.7	28.3	28.5	28.8	29.0	29.2	29.6	31.8
TT9	1991	1991	1991	1991	1991	1991	1991	[illegible]
TTD	3560	3000	2750	2500	2250	2000	1423	756
WAS/WAP	0.0460	0.0434	0.0422	0.0409	0.0396	0.0382	0.0348	0.0306
VENG	1971	1971	1971	1971	1971	1971	1971	1971
VDUCT	2617	2407	2308	2203	2093	1976	1675	1229
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
AJCDO	9.67	8.17	7.69	7.40	6.91	6.42	5.24	3.38

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ALT	15000	WASIZE	640	PT2/PT2P	1.000	WBL3	0.
MO	1.00	PAM	8.3	PT2	15.7	WBL4	0.
VA KTS	660	TAM	485	TT2	582	HPEXT	0.

MAXTHR	MAX D/H						MIN D/H NOT LIT	
FNT	44168	40112	38224	36271	34249	32115	26909	20274
FGT	65354	60336	58420	56467	54445	52311	47105	40469
WAT	602	602	602	602	602	602	602	602
WFT	91427	73263	65882	58981	52689	46707	34491	21984
TSFC	2.070	1.826	1.724	1.626	1.538	1.454	1.282	1.084
BPR	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.46
WAT2	597	597	597	597	597	597	597	597
N1	5676	5676	5676	5676	5676	5676	5676	5729
N2	8099	8099	8099	8099	8099	8099	8099	8123
PT30	36.3	36.3	36.3	36.3	36.3	36.3	36.3	38.0
PT4	152.4	152.4	152.4	152.4	152.4	152.4	152.4	159.2
TT30	760	760	760	760	760	760	760	779
TT4	1180	1180	1180	1180	1180	1180	1180	1196
PT9	27.4	27.4	27.4	27.4	27.4	27.4	27.4	28.8
PTD	31.8	32.3	32.6	32.9	33.2	33.4	33.9	36.3
TT9	1991	1991	1991	1991	1991	1991	1991	1990
TTD	3560	3000	2750	2500	2250	2000	1445	780
WAS/WAP	0.0445	0.0421	0.0410	0.0397	0.0384	0.0370	0.0338	0.0296
VENG	1971	1971	1971	1971	1971	1971	1971	1971
VDUCT	2617	2407	2308	2203	2093	1976	1688	1248
AJCDE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.21
AJCDO	9.80	8.73	8.22	7.74	7.22	6.68	5.30	3.59

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ALT	25000	WASIZE	640	PT2/PT2P	1.000	WBL3	0.
MO	0.20	PAM	5.5	PT2	5.6	WBL4	0.
VA KTS	173	TAM	450	TT2	453	HPEXT	0.

MAXTHR	MAX D/H						MIN D/H NOT LIT	
FNT	24556	23016	22294	21544	20760	19936	17522	14755
FGT	26165	24825	24103	23353	22564	21745	19331	16564
WAT	280	280	280	280	280	280	280	280
WFT	43546	35342	32059	29023	26204	23551	17247	11691
TSFC	1.773	1.536	1.438	1.347	1.262	1.181	0.984	0.792
BPR	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.30
WAT2	685	685	685	685	685	685	685	685
N1	6123	6123	6123	6123	6123	6123	6123	6150
N2	7833	7833	7833	7833	7833	7833	7833	7864
PT30	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.7
PT4	75.9	75.9	75.9	75.9	75.9	75.9	75.9	78.4
TT30	662	662	662	662	662	662	662	673
TT4	1056	1056	1056	1056	1056	1056	1056	1071
PT9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	14.[illegible]
PTD	15.0	15.3	15.5	15.6	15.7	15.8	16.1	17.1
TT9	1996	1996	1996	1996	1996	1996	1996	1995
TTD	3560	3000	2750	2500	2250	2000	1149	673
WAS/WAP	0.0496	0.0476	0.0462	0.0445	0.0433	0.0420	0.0379	0.0332
VENG	1973	1973	1973	1973	1973	1973	1973	1973
VDUCT	2617	2407	2307	2203	2093	1976	1632	1160
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
AJCDO	9.23	8.19	7.67	7.20	6.73	6.25	4.94	5.14

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ALT	[illegible]	WASIZE	660	PT2/PT2P	[illegible]	WBL3	0.
MO	[illegible]	PAN	5.5	PT2	6.1	WBL4	0.
VA KTS	366	TAM	450	TT2	466	HPEXT	0.

MAXTHR MAX D/H MIN D/H NOT LIT

FNT	25257	23250	22466	21661	20782	19871	17291	14246
FGT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	21720	21132	19147
WAT	237	237	237	237	237	237	237	237
WFT	45334	37126	33667	30624	27662	24535	18265	12368
TSFC	1.863	1.605	1.507	1.415	1.330	1.249	1.056	0.867
BPR	[illegible]	1.37	1.35	1.36	1.37	[illegible]	1.37	1.38
WAT2	[illegible]	674	674	674	674	675	[illegible]	678
N1	6069	6069	6069	6069	6069	6069	6069	6104
N2	7862	7862	7862	7862	7862	7862	7862	7866
PT30	18.1	18.1	18.1	18.1	18.1	18.1	18.1	19.0
PT4	80.8	80.8	80.8	80.8	80.8	80.8	80.8	83.6
TT30	674	674	674	674	674	674	674	685
TT4	1066	1066	1066	1066	1066	1066	1066	1081
PT9	14.8	14.8	14.8	14.8	14.8	14.8	14.8	15.3
PT0	15.3	16.4	16.5	16.7	16.9	16.9	17.2	[illegible]
TT9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TT0	3560	3000	2750	2500	2250	2000	1460	685
WAS/WAP	0.0494	0.0470	0.0457	0.0441	0.0429	0.0415	0.0376	0.0329
VENG	1973	1973	1973	1973	1973	1973	1973	1973
VDUCT	2617	2407	2302	2203	2094	1976	[illegible]	1171
AJCDF	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.21
AJCDO	9.13	8.36	7.59	7.13	6.66	6.19	4.92	3.14

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ALT	25000	WASIZE	660	PT2/PT2P	1.000	WBL3	0.
MO	0.80	PAN	5.5	PT2	8.3	WBL4	0.
VA KTS	493	TAM	450	TT2	507	HPEXT	0.

MAXTHR MAX D/H MIN D/H NOT LIT

FNT	29475	27110	26010	24873	23726	22452	19126	15121
FGT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
WAT	371	371	371	371	371	371	371	371
WFT	56667	45858	41636	37436	33723	30197	22331	15024
TSFC	1.922	1.692	1.596	1.505	1.421	1.345	1.170	0.994
BPR	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.31
WAT2	668	668	668	668	668	668	668	668
N1	5918	5918	5918	5918	5918	5918	5918	5961
N2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
PT30	22.6	22.6	22.6	22.6	22.6	22.6	22.6	23.6
PT4	100.4	100.4	100.4	100.4	100.4	100.4	100.4	104.2
TT30	711	711	711	711	711	711	711	72[illegible]
TT4	1113	1113	1113	1113	1113	1113	1113	1127
PT9	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.5
PT0	20.1	20.5	20.6	20.8	21.0	21.1	21.6	22.8
TT9	1394	1394	1394	1394	1394	1394	[illegible]	[illegible]
TT0	3560	3000	2750	2500	2250	2000	[illegible]	[illegible]
WAS/WAP	0.0477	0.0450	0.0437	0.0424	0.0411	0.0397	0.0365	0.0317
VENG	1972	1972	1972	1972	1972	1972	1972	1972
VDUCT	2617	2407	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
AJCDF	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
AJCDO	9.16	8.11	7.65	7.18	6.71	6.23	5.03	3.74

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ALT	25000	WASIZE	660	PT2/PT2P	0.997	WBL3	0.
MO	1.10	PAN	5.5	PT2	11.6	WBL4	0.
VA KTS	677	TAM	450	TT2	559	HPEXT	0.

MAXTHR MAX D/H MIN D/H NOT LIT

FNT	35938	32640	31108	29529	27893	26171	21865	16461
FGT	[illegible]	49237	47706	46125	44490	42709	38442	33018
WAT	467	467	467	467	467	467	467	467
WFT	71073	57106	51460	46187	41380	36809	27208	17690
TSFC	1.976	1.750	1.654	1.564	1.484	1.406	1.246	1.076
BPR	1.42	1.42	1.42	1.42	1.42	1.42	1.42	1.40
WAT2	613	613	613	613	613	613	613	613
N1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	8444
N2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	8134
PT30	[illegible]	[illegible]	28.0	[illegible]	28.0	28.0	[illegible]	28.4
PT4	121.2	121.2	121.2	[illegible]	[illegible]	[illegible]	[illegible]	126.9
TT30	749	749	749	749	749	749	749	[illegible]
TT4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1177
PT9	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.8
PT0	24.9	25.0	25.1	25.5	25.7	25.9	26.5	28.1
TT9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TT0	3560	3000	2750	2500	2250	2000	1436	[illegible]
WAS/WAP	0.0457	0.0430	0.0418	0.0405	0.0392	0.0378	0.0349	0.0302
VENG	1972	1972	1972	1972	1972	1972	1972	1972
VDUCT	2617	2407	2304	2203	2093	1976	1578	1235
AJCDF	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20
AJCDO	9.75	8.61	8.10	7.60	7.10	[illegible]	5.39	3.49

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ALT	25000	WASIZE	660	PT2/PT2P	0.991	WBL3	0.
MO	1.20	PAN	5.5	PT2	13.1	WBL4	0.
VA KTS	739	TAM	450	TT2	579	HPEXT	0.

MAXTHR MAX D/H MIN D/H NOT LIT

FNT	38575	34858	33132	31351	29516	27571	22824	16746
FGT	[illegible]	54482	52756	[illegible]	[illegible]	47195	[illegible]	[illegible]
WAT	506	506	506	506	506	506	506	506
WFT	77040	61739	55524	49715	44618	39387	29034	18508
TSFC	1.997	1.771	1.676	1.586	1.505	1.428	1.272	1.105
BPR	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.46
WAT2	599	599	599	599	599	599	599	599
N1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5731
N2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
PT30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
PT4	128.1	128.1	128.1	128.1	128.1	128.1	128.1	133.9
TT30	764	764	764	764	764	764	764	775
TT4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1176	[illegible]	[illegible]
PT9	23.2	23.2	23.2	23.2	23.2	23.2	23.2	24.2
PT0	26.4	26.9	27.2	27.4	27.7	27.9	28.5	30.5
TT9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TT0	[illegible]	3000	[illegible]	2500	[illegible]	2000	[illegible]	[illegible]
WAS/WAP	0.0490	0.0427	0.0411	0.0398	0.0385	0.0371	0.0339	0.0294
VENG	1972	1972	1972	1972	1972	1972	1972	1972
VDUCT	261[illegible]	2407	2304	2203	[illegible]	1976	1666	1245
AJCDF	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.21
AJCDO	9.39	8.82	8.30	7.78	7.26	6.74	5.54	3.61

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ALT	25000	WASIZE	660	PT2/PT2P	0.985	WBL3	0.
MO	1.30	PAN	5.5	PT2	14.9	WBL4	0.
VA KTS	800	TAM	450	TT2	602	HPEXT	0.

MAXTHR MAX D/H MIN D/H NOT LIT

FNT	41468	37277	35333	33334	31256	29076	23903	17067
FGT	64530	60333	58535	56396	54318	52137	46965	40129
WAT	549	549	549	549	549	549	549	549
WFT	83476	66686	59858	53470	47647	42109	31039	19360
TSFC	2.013	1.789	1.694	1.604	1.524	1.448	1.299	1.134
BPR	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.52
WAT2	583	583	583	583	583	583	583	583
N1	5600	5600	5600	5600	5600	5600	5600	5690
N2	8126	8126	8126	8126	8126	8126	8126	8149
PT30	32.9	32.9	32.9	32.9	32.9	32.9	32.9	34.4
PT4	135.9	135.9	135.9	135.9	135.9	135.9	135.9	141.5
TT30	781	781	781	781	781	781	781	792
TT4	1194	1194	1194	1194	1194	1194	1194	1210
PT9	24.6	24.6	24.6	24.6	24.6	24.6	24.6	25.6
PT0	28.5	29.1	29.4	29.7	30.0	30.2	30.6	32.9
TT9	1993	1993	1993	1993	1993	1993	1993	1992
TT0	3560	3000	2750	2500	2250	2000	1457	792
WAS/WAP	0.0462	0.0416	0.0404	0.0391	0.0378	0.036[illegible]	0.0335	0.0290
VENG	1972	1972	1972	1972	1972	1972	1972	1972
VDUCT	2617	2406	2306	2203	2093	1976	1695	1258
AJCDF	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.21
AJCDO	10.16	8.96	8.44	7.91	7.38	6.85	5.67	3.72

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ALT	36150	WASIZE	660	PT2/PT2P	1.000	WBL3	0.
MO	0.40	PAN	3.3	PT2	3.7	WBL4	0.
VA KTS	235	TAM	410	TT2	423	HPEXT	0.

MAXTHR MAX D/H MIN D/H NOT LIT

FNT	15698	14634	14135	13617	13074	12501	10704	8494
FGT	18028	16963	16464	15946	15403	14830	13033	11121
WAT	189	189	189	189	189	189	189	189
WFT	29093	23484	21266	19226	17303	15505	10964	7183
TSFC	1.853	1.605	1.504	1.412	1.324	1.240	1.024	0.826
BPR	1.32	1.32	1.32	1.32	1.32	1.32	1.32	1.32
WAT2	683	683	683	683	683	683	683	683
N1	5909	5909	5909	5909	5909	5909	5909	5940
N2	7521	7521	7521	7521	7521	7521	7521	7542
PT30	10.9	10.9	10.9	10.9	10.9	10.9	10.9	11.4
PT4	49.0	49.0	49.0	49.0	49.0	49.0	49.0	50.7
TT30	616	616	616	616	616	616	616	625
TT4	986	986	986	986	986	986	986	1000
PT9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	9.2
PT0	9.5	9.8	9.9	10.0	10.1	10.1	10.3	11.0
TT9	1856	1856	1856	1856	1856	1856	1856	1856
TT0	3560	3000	2750	2500	2250	2000	1305	625
WAS/WAP	0.0517	0.0487	0.0473	0.0458	0.0443	0.0428	0.0382	0.0331
VENG	1909	1909	1909	1909	1909	1909	1909	1909
VDUCT	2617	2407	2301	2203	2092	1976	1606	1118
AJCDF	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
AJCDO	9.89	8.62	8.15	7.64	7.13	6.62	5.12	3.14

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ALT      [illegible]  WASIZE  [illegible]  PT2/PT2P  [illegible]  WBL3    0.
MO       0.80         PAM     1.3          PT2       4.7          WBL4    0.
VA KTS   353          TAM     410          TT2       440          HPEXT   0.

MAXTHR   MAX                                             MIN O/H NOT LIT

FNT       17610   16225   15725   15104   14455   13774   11213    9359
FGT     [illeg.] [illeg.] [illeg.] [illeg.] [illeg.] [illeg.] [illeg.] [illeg.]
WAT     [illeg.]    212     212     212     212     212     212     212
WFT       32375   25640   24140   21537   19385   17437   17496    8447
TSFC      1.999   1.612   1.535   1.446   1.361   1.282   1.094   0.903
BPR        1.32    1.32    1.32    1.32    1.32    1.32    1.32    1.32
WAT2        685     685     685     685     685     685     685     685

N1         6045    6045    6045    6045    6045    6045    6045    6078
N2         7675    7675    7675    7675    7675    7675    7675    7701
PT30       12.4    12.4    12.4    12.4    12.4    12.4    12.4    13.0
PT4        56.2    56.2    56.2    56.2    56.2    56.2    56.2    59.0
TT30        638     638     638     638     638     638 [illeg.]    649
TT4        1025    1025    1025    1025    1025    1025    1025    1017

PT9        10.3    10.3    10.3    10.3    10.3    10.3    10.3    10.6
PT0        10.9    11.1    11.3    11.4    11.5    11.5    11.8    12.9
TT9        1936    1936    1936    1936    1936    1936    1936    1933
TTO        3550    3000    2750    2500    2250    2000    1356     658
WA3/WAP  0.0510  0.0481  0.0467  0.0453  0.0439  0.0424  0.0380  0.0331
VZRG       1943    1943    1943    1943    1943    1943    1943    1943
VOUCT      2617    2407    2307    2203    2092    1976 [illeg.] [illeg.]
AJCDE      5.20    5.20    5.20    5.20    5.20    5.20    5.20    5.21
AJCDO      9.71    8.55    8.04    7.54    7.04    6.54    5.11    4.21

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ALT      [illegible]  WASIZE  [illegible]  PT2/PT2P  [illegible]  WBL3    0.
MO       [illegible]  PAM     3.3          PT2       5.1          WBL4    0.
VA KTS   522          TAM     410          TT2       477          HPEXT   0.

MAXTHR   MAX O/H                                         MIN O/H NOT LIT

FNT       21311   20131   19106   18451   17565   16517 [illeg.] [illeg.]
FGT     [illeg.]  27255   26633 [illeg.] [illeg.] [illeg.] [illeg.] [illeg.]
WAT         266     266     266     266     266     266 [illeg.] [illeg.]
WFT       40446   37368   25475   31005   24367   21862   16131   13474
TSFC      1.856   1.638   1.568   1.464   1.387   1.314   1.147 [illeg.]
BPR        1.31    1.31    1.31    1.31    1.31    1.31    1.31    1.30
WAT2    [illeg.] [illeg.] [illeg.] [illeg.] [illeg.] [illeg.] [illeg.] [illeg.]

N1         6015    6015    6015    6015    6015    6015    6015    6050
N2         7432    7432    7432    7432    7432    7432    7432 [illeg.]
PT30       16.0    16.0    16.0    16.0    16.0    16.0    16.0 [illeg.]
PT4        71.4    71.4    71.4    71.4    71.4    71.4    71.4    73.5
TT30        686     686     686     686     686     686     686 [illeg.]
TT4        1574    1574    1574    1574    1574    1574    1574 [illeg.]

PT9        13.1    13.1    13.1    13.1    13.1    13.1    13.1    13.5
PT0        14.2    14.5    14.6    14.7    14.8    14.9    15.1    16.1
TT9     [illeg.] [illeg.] [illeg.] [illeg.] [illeg.] [illeg.] [illeg.] [illeg.]
TTO        3550    3000    2750    2500    2250    2000 [illeg.] [illeg.]
WA3/WAP  0.0492  0.0464  0.0451  0.0438  0.0424  0.0410  0.0371  0.0325
VZRG       1974    1974    1974    1974    1974    1974 [illeg.] [illeg.]
VOUCT      2617    2407    2307    2203    2093    1976 [illeg.] [illeg.]
AJCDE      5.21    5.21    5.21    5.21    5.21    5.21    5.21    5.21
AJCDO      9.22    8.14    7.67    7.20    6.73    6.25    4.99 [illeg.]

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ALT      36150   WASIZE   640   PT2/PT2P  0.991   WBL3    0.
MO        1.20   PAM      3.3   PT2         7.9   WBL4    0.
VA KTS     705   TAM      410   TT2         528   HPEXT   0.

MAXTHR   MAX O/H                                         MIN O/H NOT LIT

FNT       27351   24854   23703   22516   21289   20001   16641   12524
FGT       39424   37337   36185   34778 [illeg.]  32461   29123   25601
WAT         337     337     337     337     337     337     337     337
WFT       51595   41604   37475   33739   30128   27086   20036   13283
TSFC      1.890   1.669   1.581   1.498   1.429   1.354   1.204   1.061
BPR        1.36    1.36    1.36    1.36    1.36    1.35    1.36    1.34
WAT2        633     633     633     633     633     633     633     633

N1         5852    5852    5852    5852    5852    5852    5852    5899
N2         7958    7958    7958    7958    7958    7958    7958    7477
PT30       20.2    20.2    20.2    20.2    20.2    20.2    20.2    21.2
PT4        89.7    89.7    89.7    89.7    89.7    89.7    89.7    93.4
TT30        725     725     725     725     725     725     725 [illeg.]
TT4        1133    1133    1133    1133    1133    1133    1133    1148

PT9        16.3    16.3    16.3    16.3    16.3    16.3    16.3    16.9
PT0        17.8    18.1    18.3    18.4    18.6    18.7    19.0    20.4
TT9        1995    1995    1995    1995    1995    1995    1995    1994
TTO        3560    3000    2750    2500    2250    2000    1407     737
WA3/WAP  0.0448  0.0441  0.0429  0.0416  0.0403  0.0389  0.0354  0.0311
VZRG       1973    1973    1973    1973    1973    1973    1973    1973
VOUCT      2617    2407    2307    2203    2091    1976    1666    1214
AJCDE      5.20    5.20    5.20    5.20    5.20    5.20    5.20    5.21
AJCDO      9.54    8.45    7.94    7.45    6.96    6.46    5.24    3.37

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ALT      36150   WASIZE   640   PT2/PT2P  0.971   WBL3    0.
MO        1.50   PAM      3.3   PT2        11.7   WBL4    0.
VA KTS     862   TAM      410   TT2         595   HPEXT   0.

MAXTHR   MAX O/H                                         MIN O/H NOT LIT

FNT       34536   30937   29272   27362   25709   23932   19473   13611
FGT       54764   51166   49501   47790   46318   44163   39704   33830
WAT         437     437     437     437     437     437     437     437
WFT       66651   53268   47828   42741   38107   33692   24768   15475
TSFC      1.930   1.722   1.634   1.551   1.477   1.408   1.272   1.137
BPR        1.54    1.54    1.54    1.54    1.54    1.54    1.54    1.52
WAT2        588     588     588     588     588     588     588     599

N1         5615    5615    5615    5615    5615    5615    5615    5662
N2         8097    8097    8097    8097    8097    8097    8097    8120
PT30       25.9    25.9    25.9    25.9    25.9    25.9    25.9    27.1
PT4       108.1   108.1   108.1   108.1   108.1   108.1   108.1 [illeg.]
TT30        774     774     774     774     774     774     774     784
TT4        1186    1186    1186    1186    1186    1186    1186    1262

PT9        19.6    19.6    19.6    19.6    19.6    19.6    19.6    20.4
PT0        22.4    22.9    23.1    23.4    23.6    23.8    24.1    25.9
TT9        1995    1995    1995    1995    1995    1995    1995    1994
TTO        3560    3000    2750    2500    2250    2000    1450     784
WA3/WAP  0.0445  0.0419  0.0406  0.0393  0.0380  0.0367  0.0335  0.0292
VZRG       1973    1973    1973    1973    1973    1973    1973    1973
VOUCT      2617    2408    2308    2203    2093    1976    1691    1252
AJCDE      5.21    5.21    5.21    5.21    5.21    5.21    5.21    5.21
AJCDO     10.29    9.08    8.54    8.00    7.47    6.93    5.71    3.74

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ALT      36150   WASIZE   640   PT2/PT2P  0.945   WBL3    0.
MO        1.80   PAM      3.3   PT2        17.8   WBL4    0.
VA KTS    1058   TAM      410   TT2         676   HPEXT   0.

MAXTHR   MAX O/H                                         MIN O/H NOT LIT

FNT       45064   39761   37314   34804   32700   29468   23640   15117
FGT       77763   72486   70038   67528   64924   62192   56365   47841
WAT         589     589     589     589     589     589     589     589
WFT       89064   70216   62647   55350   49137   42968   31705   18509
TSFC      1.976   1.766   1.679   1.596   1.526   1.458   1.341   1.224
BPR        1.73    1.73    1.73    1.73    1.73    1.73    1.73    1.72
WAT2        555     555     555     555     555     555     555     555

N1         5570    5570    5570    5570    5570    5570    5570    5609
N2         8212    8212    8212    8212    8212    8212    8212    8267
PT30       33.6    33.6    33.6    33.6    33.6    33.6    33.6    34.9
PT4       136.7   136.7   136.7   136.7   136.7   136.7   136.7   141.7
TT30        837     837     837     837     837     837     837     845
TT4        1262    1262    1262    1262    1262    1262    1262    1277

PT9        24.6    24.6    24.6    24.6    24.6    24.6    24.6    25.5
PT0        28.1    28.9    29.2    29.5    29.8    30.1    30.6    32.8
TT9        1992    1992    1992    1992    1992    1992    1992    1991
TTO        3560    3000    2750    2500    2250    2000    1507     849
WA3/WAP  0.0420  0.0395  0.0383  0.0370  0.0357  0.0344  0.0316  0.0274
VZRG       1972    1972    1972    1972    1972    1972    1972    1972
VOUCT      2617    2408    2308    2203    2093    1976    1723    1299
AJCDE      5.21    5.21    5.21    5.21    5.21    5.21    5.21    5.22
AJCDO     11.50   10.31    9.49    8.88    8.27    7.67    6.49    4.33

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ALT      45000   WASIZE   640   PT2/PT2P  1.000   WBL3    0.
MO        0.50   PAM      2.1   PT2         2.5   WBL4    0.
VA KTS     296   TAM      410   TT2         431   HPEXT   0.

MAXTHR   MAX O/H                                         MIN O/H NOT LIT

FNT       10634    9921    9542    9180    8800    8401    7146    3790
FGT       12641   11899   11551   11185   10809   10409    9154    7748
WAT         130     130     130     130     130     130     130     130
WFT     [illeg.]  16369   14817   13391   12049   10793    7630    3484
TSFC      1.900   1.650   1.553   1.459   1.369   1.285   1.068   0.869
BPR        1.36    1.36    1.36    1.36 [illeg.]    1.36    1.36    1.35
WAT2        684     684     684     684     684     684     684     684

N1         5987    5987    5987    5987    5987    5987    5987    6015
N2         7528    7528    7528    7528    7528    7528    7528    7546
PT30        7.3     7.3     7.3     7.3     7.3     7.3     7.3     7.6
PT4     [illeg.]   33.6    33.6    33.6    33.6    33.6    33.6 [illeg.]
TT30    [illeg.]    619     619     619     619     619     619     628
TT4        1002    1002    1002    1002    1002    1002    1002    1016

PT9         6.1     6.1     6.1     6.1     6.1     6.1     6.1     6.3
PT0         6.3     6.3     6.6     6.6     6.7     6.7     6.9     7.5
TT9        1895    1895    1895    1895    1895    1895    1895    1895
TTO        3560    3000    2750    2500    2250    2000    1307     628
WA3/WAP [illeg.] [illeg.]  0.0471  0.0457 [illeg.] [illeg.] [illeg.] [illeg.]
VZRG    [illeg.] [illeg.]    1926    1926 [illeg.] [illeg.]    1926    1926
VOUCT      2617    2407    2307    2203    2092    1976    1607    1121
AJCDE      5.21    5.21    5.21    5.21    5.21    5.21    5.21    5.21
AJCDO   [illeg.] [illeg.]    8.54 [illeg.] [illeg.] [illeg.] [illeg.] [illeg.]

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ALT	[illegible]	WASIZE	[illegible]	PT2/PT2P	[illegible]	WBL3	0.
MO	0.83	FAN	2.1	PT2	8.7	WBL4	0.
VA KTS	[illegible]	TAN	410	TT2	461	HPEXT	0.

MAXTHR MAX O/H MIN O/H NOT LIT

FNT	13258	12220	11737	11226	10715	10174	8592	6749
FGT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	14124	13744	[illegible]
WAT	160	160	160	160	160	160	160	160
WFT	26042	20725	18342	16586	14957	13422	9785	6566
TSFC	1.984	1.696	1.563	1.475	1.395	1.319	1.139	0.973
BPR	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34
WAT2	677	677	677	677	675	677	677	677
N1	6099	6099	6099	6099	6099	6099	6099	6129
N2	7761	7761	7761	7761	7761	7761	7761	7776
PT3D	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.8
PT4	42.8	42.8	42.8	42.8	42.8	42.8	42.8	44.7
TT3D	663	663	663	663	663	663	663	[illegible]
TT4	1062	1062	1062	1062	1062	1062	1062	1076
PT9	7.8	7.8	7.8	7.8	7.8	7.8	7.8	8.1
PTD	8.2	8.4	8.5	8.5	8.6	8.7	8.8	9.4
TT9	2001	2001	2001	2001	2001	2001	2001	2001
TTD	3560	3000	2750	2500	2250	2000	1350	676
WAS/WAP	0.0500	0.0475	0.0458	0.0444	0.0431	0.0416	0.0375	0.0328
VENG	1976	1976	1976	1976	1976	1976	1976	1976
VDUCT	2617	2407	2307	2203	2093	1976	1633	1161
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
AJCDO	9.79	8.65	8.12	7.62	7.31	6.60	5.22	3.31

SEP 30, 1964

ALT	[illegible]	WASIZE	[illegible]	PT2/PT2P	[illegible]	WBL3	[illegible]
MO	1.20	FAN	2.1	PT2	[illegible]	WBL4	0.
VA KTS	[illegible]	TAN	410	TT2	[illegible]	HPEXT	[illegible]

MAXTHR MAX O/H MIN O/H NOT LIT

FNT	17752	16163	15542	14614	13920	[illegible]	10767	[illegible]
FGT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	18334	[illegible]
WAT	221	221	221	221	221	221	221	221
WFT	33751	27244	24631	22115	19884	17744	13055	8588
TSFC	1.901	1.689	1.590	1.516	1.439	[illegible]	1.219	1.065
BPR	1.33	1.33	1.33	1.33	1.33	[illegible]	1.33	1.33
WAT2	633	633	633	633	633	[illegible]	633	[illegible]
N1	5848	5848	5848	5848	5848	[illegible]	5848	[illegible]
N2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
PT3D	12.9	12.9	12.9	12.9	12.9	[illegible]	[illegible]	[illegible]
PT4	58.0	58.0	58.0	58.0	58.0	[illegible]	58.0	[illegible]
TT3D	720	720	720	720	720	[illegible]	[illegible]	[illegible]
TT4	1130	1130	1130	1130	1130	[illegible]	[illegible]	[illegible]
PT9	10.6	10.6	10.6	10.6	10.6	10.6	10.6	[illegible]
PTD	11.2	11.4	11.5	11.6	11.8	11.9	12.0	12.9
TT9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TTD	3560	3000	2750	2500	2250	2000	1462	731
WAS/WAP	0.0469	0.0442	0.0429	0.0416	0.0401	0.0387	0.0354	0.0310
VENG	1975	1975	1975	1975	1975	1975	1975	1975
VDUCT	2617	2407	2307	2203	2093	[illegible]	1653	1267
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
AJCDO	9.99	8.81	8.27	7.78	7.26	6.74	5.44	3.49

SEP 30, 1964

ALT	45000	WASIZE	640	PT2/PT2P	0.971	WBL3	0.
MO	1.50	FAN	2.1	PT2	7.9	WBL4	0.
VA KTS	882	TAN	410	TT2	595	HPEXT	0.

MAXTHR MAX O/H MIN O/H NOT LIT

FNT	22440	20097	19013	17896	16739	15530	12589	8738
FGT	35678	33316	32251	31134	[illegible]	28768	25827	21577
WAT	286	286	286	286	286	286	286	286
WFT	43837	35009	31409	28032	24991	22080	16141	10020
TSFC	1.954	1.742	1.652	1.566	1.493	1.422	1.282	1.147
BPR	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.56
WAT2	588	588	588	[illegible]	588	588	588	588
N1	5603	5603	5603	5603	5603	5603	5603	5648
N2	8066	8066	8066	8066	8066	8066	8066	8089
PT3D	16.5	16.5	16.5	16.5	16.5	16.5	16.5	17.1
PT4	69.8	69.8	69.8	69.8	69.8	69.8	69.8	72.7
TT3D	768	768	768	768	768	768	768	779
TT4	1183	1183	1183	1183	1183	1183	1183	1199
PT9	[illegible]	[illegible]	[illegible]	12.7	12.7	12.7	12.7	13.2
PTD	14.1	14.3	14.6	14.7	14.8	15.0	15.3	16.4
TT9	1999	1999	1999	1999	1999	1999	1999	1995
TTD	3560	3000	2750	2500	2250	2000	1445	779
WAS/WAP	0.0446	0.0419	0.0407	0.0394	0.0381	0.0367	[illegible]	0.0291
VENG	1975	1975	1975	1975	1975	1975	1975	1975
VDUCT	2617	2407	2306	2203	2093	1976	1668	1248
AJCDE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.21
AJCDO	10.80	9.53	8.94	8.38	7.81	7.24	5.45	3.87

SEP 30, 1964

ALT	45000	WASIZE	640	PT2/PT2P	0.945	WBL3	0.
MO	1.80	FAN	2.1	PT2	11.7	WBL4	0.
VA KTS	1058	TAN	410	TT2	476	HPEXT	0.

MAXTHR MAX O/H MIN O/H NOT LIT

FNT	29320	25662	24265	22626	20974	19137	15289	9678
FGT	50736	47278	45681	44042	42340	40553	36706	31094
WAT	386	386	386	386	386	386	386	386
WFT	58556	46125	41132	36451	32223	28154	20670	11945
TSFC	1.997	1.797	1.695	1.611	1.536	1.471	1.352	1.234
BPR	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76
WAT2	555	555	555	555	555	555	555	555
N1	5555	5555	5555	5555	5555	5555	5555	5587
N2	8169	8169	8169	8169	8169	8169	8169	8203
PT3D	21.5	21.5	21.5	21.5	21.5	21.5	21.5	22.3
PT4	88.2	88.2	88.2	88.2	88.2	88.2	88.2	91.3
TT3D	833	833	833	833	833	833	833	841
TT4	1259	1259	1259	1259	1259	1259	1259	1274
PT9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	16.4
PTD	17.8	18.3	18.5	18.7	18.9	19.1	19.5	20.9
TT9	1996	1996	1996	1996	1996	1996	1996	1996
TTD	3560	3000	2750	2500	2250	2000	1503	841
WAS/WAP	0.0421	0.0395	0.0383	0.0370	0.0357	0.0346	0.0316	0.0273
VENG	1974	1974	1974	1974	1974	1974	1974	1974
VDUCT	2617	2408	2308	2203	2093	1976	1728	1295
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
AJCDO	12.00	10.53	9.88	9.23	8.60	7.96	6.68	4.47

OCT 2, 1964

ALT	45000	WASIZE	640	PT2/PT2P	0.925	WBL3	0.
MO	2.00	FAN	2.1	PT2	15.6	WBL4	0.
VA KTS	1176	TAN	410	TT2	737	HPEXT	0.

MAXTHR MAX O/H MIN O/H NOT LIT

FNT	34440	30053	28039	25940	23814	21568	[illegible]	[illegible]
FGT	62653	58267	56253	54174	52028	49782	45515	[illegible]
WAT	457	457	457	457	457	457	457	458
WFT	68135	53350	47430	41843	36794	31950	23955	[illegible]
TSFC	1.978	1.775	1.692	1.612	1.545	1.481	1.385	1.295
BPR	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80
WAT2	515	515	515	515	515	515	515	515
N1	5508	5508	5508	5508	5508	5508	5508	5539
N2	8189	8189	8189	8189	8189	8189	8189	8231
PT3D	27.2	27.2	27.2	27.2	27.2	27.2	27.2	28.2
PT4	103.4	103.4	103.4	103.4	103.4	103.4	103.4	107.8
TT3D	892	892	892	892	892	892	892	900
TT4	1314	1314	1314	1314	1314	1314	1314	1329
PT9	18.6	18.6	18.6	18.6	18.6	18.6	18.6	19.2
PTD	23.0	23.3	23.6	24.1	24.3	24.5	24.8	26.4
TT9	1995	1995	1995	1995	1995	1995	1995	1995
TTD	3560	3000	2750	2500	2250	2000	1557	960
WAS/WAP	0.0404	0.0379	0.0367	[illegible]	0.0342	0.0329	0.0305	0.0269
VENG	1973	1973	1973	1973	1973	1973	1973	1975
VDUCT	2617	2408	2308	2203	2093	1976	1750	1340
AJCDE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20
AJCDO	11.07	9.74	9.15	8.57	8.00	7.42	6.37	4.38

OCT 2, 1964

ALT	55000	WASIZE	640	PT2/PT2P	[illegible]	WBL3	0.
MO	1.10	FAN	[illegible]	PT2	[illegible]	WBL4	0.
VA KTS	647	TAN	410	TT2	509	HPEXT	0.

MAXTHR MAX O/H MIN O/H NOT LIT

FNT	10099	9212	8801	8377	7930	7476	6190	4685
FGT	14369	13482	13071	12647	12203	11746	10460	8956
WAT	126	126	126	126	126	126	126	126
WFT	19758	15866	14345	12909	11596	10355	7504	4933
TSFC	1.957	1.725	1.630	1.541	1.461	1.385	1.212	1.053
BPR	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39
WAT2	647	647	647	647	647	647	647	647
[illegible]	5919	5919	5919	[illegible]	5919	5919	5919	5940
N2	7829	7829	7829	7829	7829	7829	7829	7845
PT3D	7.1	7.1	7.1	7.1	7.1	[illegible]	[illegible]	[illegible]
PT4	32.9	32.9	32.9	32.9	32.9	32.9	32.9	34.2
[illegible]	697	697	697	697	697	697	697	708
TT4	1109	1109	1109	1109	1109	1109	1109	1121
[illegible]	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.2
[illegible]	8.2	8.2	8.3	8.4	8.4	8.5	8.8	9.1
TT9	2005	2005	2005	2005	2005	2005	2005	2004
TTD	3560	3000	2750	2500	2250	2000	1173	708
[illegible]	0.0478	0.0451	0.0436	0.0424	0.0411	0.0397	0.0358	0.0318
[illegible]	1978	1978	1978	1978	1978	1978	1978	1977
VDUCT	2617	2407	2307	2203	2093	1976	1646	1190
AJCDE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.21
[illegible]	10.33	9.26	8.71	8.16	7.61	7.05	5.62	3.90

SEP 30, 1964

DOWNGRADED AT 3 YEAR INTERVALS
DECLASSIFIED AFTER 12 YEARS.
DOD DIR 5200.10

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ALT        [illegible]   WASIZE    640   PT2/PT2P  0.991   WBLT     0.
MO         [illegible]   PAM       1.3   PT2         3.2   WBL4     0.
VA KTS     [illegible]   TAM       410   TT2         528   HPEXT    0.

MAXTHR    MAX D/H                                         MIN D/H NOT LIT

FNT       [illegible] [illegible]  9476    8759    8450    7340    6551    4969
FGT       [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
WAT           137     137     137     137     137     137     137     137
WFT         21150 [illegible] 15324   13783 [illegible] 11023    8057    5745
TSFC      [illegible] [illegible] [illegible] 1.540   1.461   1.389   1.229   1.077
BPR          1.43    1.43    1.43    1.43    1.43    1.43    1.43    1.41
WAT2          633     633     633     633     633     633     633     633

N1           5869    5869    5869    5869    5869    5869    5869    5884
N2           7440    7440    7440    7440    7440    7440    7440    7498
PT30          7.7     7.7     7.7     7.7     7.7     7.7     7.7     8.0
PT4          35.4    35.4    35.4    35.4    35.4    35.4    35.4    36.7
TT30          713     713     713     713     713     713     713     723
TT4          1127    1127    1127    1127    1127    1127    1127    1147

PT9           6.4     6.4     6.4     6.4     6.4     6.4     6.4     6.7
PTD           6.6     6.7     6.8     6.9     6.9     7.0     7.1     7.6
TT9          2004    2004    2004    2004    2004    2004    2004    2004
TTD          3560    3000    2750    2500    2250    2000    1395     723
WAS/WAP    0.0476  0.0443  0.0410  0.0417  0.0403  0.0389  0.0355  0.0308
VENG         1977    1977    1977    1977    1977    1977    1977    1977
VDUCT        2617    2407    2307 [illegible] 2093    1976    1459    1202
AJCOE        5.21    5.21    5.21    5.21    5.21    5.21    5.21    5.20
AJCOD       10.58    9.43    8.84    8.29    7.72    7.15    5.75    3.68

                          SEP 30, 1964
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ALT         55000   WASIZE [illegible]   PT2/PT2P [illegible]
MO           1.50   PAM       1.3   PT2         4.7
VA KTS        882   TAM       410   TT2         595

MAXTHR    MAX D/H

FNT         13790   12118   11651   10963   10253    9506
FGT       [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
WAT           177     177     177     177     177     177
WFT         27350   21607   19556   17432   15533   13709
TSFC        1.988   1.770   1.678   1.592   1.515   1.442
BPR          1.61    1.61    1.61    1.61    1.61    1.61
WAT2          588     588     588     588     588     588

N1           5596    5596    5596    5596    5596    5596
N2           8022    8022    8022    8022    8022    8022
PT30          9.9     9.9     9.9     9.9     9.9     9.9
PT4          42.5    42.5    42.5    42.5    42.5    42.5
TT30          762     762     762     762     762     762
TT4          1190    1190    1190    1190    1190    1190

PT9           7.7     7.7     7.7     7.7     7.7     7.7
PTD           8.3     8.5     8.6     8.7     8.8     8.9
TT9          2004    2004    2004    2004    2004    2004
TTD          3560    3000    2750    2500    2250    2000
WAS/WAP    0.0447  0.0420  0.0407  0.0394  0.0381  0.0367
VENG         1977    1977    1977    1977    1977    1977
VDUCT        2617    2407    2308    2203    2093    1976
AJCOE        5.21    5.21    5.21    5.21    5.21    5.21
AJCOD       11.32   10.12    9.51    8.90    8.28    7.67

                          SEP 30, 1964
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ALT         55000   WASIZE    640   PT2/PT2P  0.945   WBLT     0.
MO           1.80   PAM       1.3   PT2         7.2   WBL4     0.
VA KTS       1058   TAM       410   TT2         676   HPEXT    0.

MAXTHR    MAX D/H                                         MIN D/H NOT LIT

FNT         17363   15842   14861   13854   12806   11705    9300    5814
FGT         31277   29116   28135   27128   26081 [illegible] 22574   19080
WAT           239     239     239     239     239     239     239     239
WFT         36511   28731   25605   22674   20030   17483   12731    7277
TSFC        2.033   1.814   1.723   1.637   1.564   1.494   1.371   1.252
BPR          1.81    1.81    1.81    1.81    1.81    1.81    1.81    1.81
WAT2          555     555     555     555     555     555     555     555

N1           5543    5543    5543    5543    5543    5543    5543    5572
N2           8110    8110    8110    8110    8110    8110    8110    8145
PT30         12.8    12.8    12.8    12.8    12.8    12.8    12.8    13.3
PT4          53.7    53.7    53.7    53.7    53.7    53.7    53.7    65.5
TT30          827     827     827     827     827     827     827     835
TT4          1255    1255    1255    1255    1255    1255    1255    1270

PT9           9.7     9.7     9.7     9.7     9.7     9.7     9.7    10.0
PTD          10.4    10.7    10.8    11.0    11.2    11.3    11.5    12.4
TT9          2001    2001    2001    2001    2001    2001    2001 [illegible]
TTD          3560    3000    2750    2500    2250    2000    1495     835
WAS/WAP    0.0422  0.0396  0.0384  0.0371  0.0358  0.0344  0.0315  0.0272
VENG         1976    1976    1976    1976    1976    1976    1976    1976
VDUCT        2617    2408    2308    2203    2093    1976    1718    1291
AJCOE        5.20    5.20    5.20    5.20    5.20    5.20    5.20    5.21
AJCOD       12.07   11.26   10.55    9.84    9.16    8.47    7.07    4.70

                          OCT  2, 1964
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ALT         55000   WASIZE    640   PT2/PT2P  0.925   WBLT     0.
MO           2.00   PAM       1.3   PT2         9.6   WBL4     0.
VA KTS       1176   TAM       410   TT2         737   HPEXT    0.

MAXTHR    MAX D/H                                         MIN D/H NOT LIT

FNT         21214   18503   17256   15972   14643   13250   10575    6301
FGT         38701   35990   34746   33459   32130   30738   28062   23789
WAT           283     283     283     283     283     283     283     283
WFT         42462   33222   29515   26021   22869   19832   15790    8259
TSFC        2.002   1.795   1.710   1.629   1.562   1.497 [illegible] 1.314
BPR          1.85    1.85    1.85    1.85    1.85    1.85    1.85    1.84
WAT2          515     515     515     515     515     515     515     515

N1           5497    5497    5497    5497    5497    5497    5497    5525
N2           8132    8132    8132    8132    8132    8132    8132    8180
PT30         16.4    16.4    16.4    16.4    16.4    16.4    16.4    17.0
PT4          63.1    63.1    63.1    63.1    63.1    63.1    63.1    65.3
TT30          887     887     887     887     887     887     887     895
TT4          1311    1311    1311    1311    1311    1311    1311    1326

PT9          11.3    11.3    11.3    11.3    11.3    11.3    11.3    11.7
PTD          13.7    14.0    14.2    14.4    14.5    14.6    14.9    15.8
TT9          2000    2000    2000    2000    2000    2000    2000    2000
TTD          3560    3000    2750    2500    2250    2000    1553     895
WAS/WAP  [illegible] 0.0379  0.0367  0.0355  0.0342  0.0329  0.0305  0.0264
VENG         1976 [illegible] 1976    1976    1976    1976    1976    1976
VDUCT        2617    2408    2308 [illegible] 2093    1976    1748    1336
AJCOE        5.21    5.21    5.21    5.21    5.21    5.21    5.21    5.21
AJCOD       11.64   10.23    9.60    8.98    8.37    7.76 [illegible] 4.54

                          OCT  2, 1964
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ALT         55000   WASIZE    640   PT2/PT2P  0.904   WBLT     0.
MO           2.20   PAM       1.3   PT2   [illegible]   WBL4     0.
VA KTS       1294   TAM       410   TT2         805   HPEXT    0

MAXTHR    MAX D/H                                         MIN D/H NOT LIT

FNT         24730   21329   19765   18154   16500   14770   11936    5799
FGT         47348   43947   42382   40774   39117   37387   34551   29417
WAT           333     333     333     333     333     333     333     333
WFT         48734   37882   33529   29427   25709   22150   16996    8291
TSFC        1.971   1.776   1.696   1.621   1.558   1.500   1.424   1.366
BPR          1.87    1.87    1.87    1.87    1.87    1.87    1.87    1.86
WAT2          474     474     474     474 [illegible] 474     474     474

N1           5432    5432    5432    5432    5432    5432    5432 [illegible]
N2           8134    8134    8134    8134    8134    8134    8134    8191
PT30         21.4    21.4    21.4    21.4    21.4    21.4    21.4    22.5
PT4          73.8    73.8    73.8    73.8    73.8    73.8    73.8    76.6
TT30          955     955     955     955     955     955     955     963
TT4          1371    1371    1371    1371    1371    1371    1371    1386

PT9          13.2    13.2    13.2    13.2    13.2    13.2    13.2    13.7
PTD          18.6    18.8    19.0    19.1    19.3    19.4    19.6    20.7
TT9          1999    1999    1999    1999    1999    1999    1999    1998
TTD          3560    3000    2750    2500    2250    2000    1615     963
WAS/WAP    0.0387  0.0363  0.0352  0.0340  0.0328  0.0319  0.0295  0.0257
VENG         1975    1975    1975    1975    1975    1975    1975    1975
VDUCT        2618    2409    2308    2203    2093    1977    1781    1305
AJCOE        5.20    5.20    5.20    5.20    5.20    5.20    5.20    5.21
AJCOD       10.19    8.89    8.46    7.94    7.42    6.90    6.06    4.29

                          OCT  2, 1964
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ALT         55000   WASIZE    640   PT2/PT2P  0.870   WBLT     0.
MO           2.50   PAM       1.3   PT2        19.8   WBL4     0.
VA KTS       1470   TAM       410   TT2         919   HPEXT    0.

MAXTHR    MAX D/H                                         MIN D/H NOT LIT

FNT         29895   25139   23242   21110   18913   16628   13981    7485
FGT         62072   57516   55419   53287   51090   48805   46138   39642
WAT           417     417     417     417     417     417     417     417
WFT         58135   44712   39163   34242   29643   25252   20595   10989
TSFC        1.945   1.765   1.685   1.622   1.567   1.519   1.475   1.468
BPR          1.84    1.84    1.84    1.84    1.84    1.84    1.84    1.82
WAT2          412     412     412     412     412     412     412     412

N1           5542    5542    5542    5542    5542    5542    5542    5564
N2           8164    8164    8164    8164    8164    8164    8164    8217
PT30         31.6    31.6    31.6    31.6    31.6    31.6    31.6    32.4
PT4          94.1    94.1    94.1    94.1    94.1    94.1    94.1    97.7
TT30         1074    1074    1074    1074    1074    1074    1074    1087
TT4          1471    1471    1471    1471    1471    1471    1471    1486

PT9          16.7    16.7    16.7    16.7    16.7    16.7    16.7    17.3
PTD          28.5    28.9    29.0    29.2    29.3    29.5    29.6    30.8
TT9          1997    1997    1997    1997    1997    1997    1997    1996
TTD          3560    3000    2750    2500    2250    2000    1722    1082
WAS/WAP    0.0362  0.0339 [illegible] 0.0318  0.0307  0.0295  0.0281  0.0247
VENG         1975    1975    1975    1975    1975    1975    1975    1974
VDUCT        2618    2408    2308    2204    2093    1977    1836    1466
AJCOE        5.21    5.21    5.21    5.21    5.21    5.21    5.21    5.21
AJCOD        8.18    7.27    6.87    6.47    6.06    5.64    5.17    3.77

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DOWNGRADED AT 3 YEAR INTERVALS;
DECLASSIFIED AFTER 12 YEARS.
DOD DIR 5200.10

ALT	65000	WASIZE	640	PT2/PT2P	[illegible]	WBL3	0.
MO	2.70	PAM	1.3	PT2	26.3	WBL4	0.
VA KTS	1588	TAM	410	TT2	[illegible]	HPEXT	0.

MAXTHR	MAX D/H						MIN D/H NOT LIT	
FNT	33975	28412	25360	23282	20620	17839	15335	7890
FGT	74878	69314	66772	64184	61527	58756	56438	48860
WAT	491	491	491	491	491	491	491	491
WFT	66141	50221	43638	38075	32720	[illegible]	23590	12255
TSFC	1.947	1.766	1.695	1.635	1.586	1.544	1.518	1.552
BPR	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.82
WAT2	382	382	382	382	382	382	382	382
N1	5286	5286	5286	5286	5286	[illegible]	5286	5303
N2	8265	8265	8265	8265	8265	[illegible]	8265	8502
PT3D	40.5	40.5	40.5	40.5	40.5	[illegible]	40.5	41.3
PT4	111.6	111.6	111.6	111.6	111.6	[illegible]	111.6	115.
TT3D	1159	1159	1159	1159	1159	[illegible]	1159	1166
TT4	1545	1545	1545	1545	1545	[illegible]	[illegible]	1560
PT9	19.7	19.7	19.7	19.7	19.7	[illegible]	19.7	20.4
PTD	37.1	37.5	37.7	37.8	38.0	[illegible]	38.2	39.5
TT9	1995	1995	1995	1995	1995	[illegible]	1995	1995
TTD	3560	3000	2750	2500	2250	[illegible]	1799	1166
WAS/WAP	0.0347	0.0329	0.0315	0.0305	0.0294	[illegible]	0.0273	0.0241
VENG	1974	1974	1974	1974	1974	1974	1974	1974
VOUCT	2619	2409	2309	2204	2094	1977	1878	1521
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
AJCDO	7.36	6.56	6.21	5.85	5.49	5.12	4.81	3.60

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ALT	65000	WASIZE	[illegible]	PT2/PT2P	[illegible]	WBL3	[illegible]
MO	1.60	PAM	0.8	PT2	5.4	WBL4	0.
VA KTS	941	TAM	410	TT2	620	HPEXT	0.

MAXTHR	MAX D/H						MIN D/H NOT LIT	
FNT	9118	8104	[illegible]	7160	6663	6141	[illegible]	[illegible]
FGT	15036	[illegible]	[illegible]	13578	12561	[illegible]	[illegible]	[illegible]
WAT	120	120	120	120	120	120	[illegible]	[illegible]
WFT	19695	15191	[illegible]	12132	10760	9473	[illegible]	[illegible]
TSFC	2.160	1.875	[illegible]	1.700	1.615	1.556	1.469	1.712
BPR	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76
WAT2	570	570	570	570	570	570	[illegible]	[illegible]
N1	5502	5502	[illegible]	5502	5502	5502	5502	[illegible]
N2	7920	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
PT3D	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.7
PT4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	28.5
TT3D	775	775	775	775	775	775	775	784
TT4	1147	1147	1147	1147	1147	1147	1147	1212
PT9	5.0	5.0	5.0	5.0	5.0	5.0	5.0	[illegible]
PTD	5.2	5.3	5.4	5.5	5.5	5.6	5.7	6.2
TT9	2010	2010	2010	2010	2010	2010	[illegible]	[illegible]
TTD	[illegible]	3000	[illegible]	[illegible]	2250	2000	[illegible]	[illegible]
WAS/WAP	0.0440	0.0415	[illegible]	0.0387	0.0374	0.0360	[illegible]	0.0287
VENG	1980	1980	1980	1980	1980	1980	1980	1980
VOUCT	2617	2407	[illegible]	2203	[illegible]	1776	[illegible]	[illegible]
AJCDE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	[illegible]
AJCDO	12.82	11.25	[illegible]	9.83	9.14	8.44	6.81	4.47

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ALT	[illegible]	WASIZE	640	PT2/PT2P	[illegible]	WBL3	0.
MO	1.70	PAM	0.4	PT2	[illegible]	WBL4	0.
VA KTS	1000	TAM	410	TT2	647	HPEXT	0.

MAXTHR	MAX D/H						MIN D/H NOT LIT	
FNT	9806	8761	8237	7700	7138	[illegible]	5179	3323
FGT	[illegible]	15614	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	10176
WAT	131	131	131	131	131	131	131	131
WFT	20537	16074	14338	12774	11254	[illegible]	7062	4116
TSFC	[illegible]	[illegible]	[illegible]	1.659	1.577	[illegible]	1.367	1.239
BPR	1.79	1.79	[illegible]	1.79	1.79	[illegible]	1.79	1.78
WAT2	552	552	[illegible]	552	552	552	552	552
N1	5451	5451	5451	5451	5451	5451	5451	5484
N2	8015	8015	8015	8015	8015	8015	8015	8053
PT3D	7.1	7.1	7.1	7.1	7.1	[illegible]	7.1	7.4
PT4	29.5	29.5	29.5	29.5	29.5	29.5	29.5	30.6
TT3D	800	800	800	800	800	800	800	808
TT4	1220	1220	1220	1220	1220	1220	1220	1235
PT9	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.5
PTD	5.9	6.0	6.1	6.2	6.2	[illegible]	6.4	6.9
TT9	2009	2009	2009	2009	2009	[illegible]	2009	2008
TTD	3550	3000	2750	2500	2250	2000	1467	909
[illegible]	0.0421	[illegible]	0.0393	0.0379	0.0366	0.0352	0.0320	0.0277
[illegible]	[illegible]	[illegible]	1980	1980	1980	1980	1980	1980
VOUCT	2617	2406	2308	2203	[illegible]	[illegible]	1700	1271
AJCDE	5.20	5.20	5.20	5.20	[illegible]	[illegible]	[illegible]	5.21
AJCDO	12.46	10.91	10.23	[illegible]	[illegible]	[illegible]	6.78	[illegible]

SEP 30, 1964

ALT	65000	WASIZE	640	PT2/PT2P	[illegible]	WBL3	0.
MO	1.80	PAM	0.8	PT2	6.5	WBL4	0.
VA KTS	1058	TAM	410	TT2	676	HPEXT	0.

MAXTHR	MAX D/H						MIN D/H NOT LIT	
FNT	10935	9645	9046	8431	7750	7115	5612	3458
FGT	19167	17876	17477	16662	16021	15344	13844	11689
WAT	148	148	148	148	148	148	148	148
WFT	22815	17924	15966	14127	12486	10867	7862	4421
TSFC	2.086	1.859	1.765	1.676	1.600	1.528	1.401	1.279
BPR	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
WAT2	555	555	555	555	555	555	555	555
N1	5537	5537	5537	5537	5537	5537	5537	5560
N2	8033	8033	8033	8033	8033	8033	8033	8074
PT3D	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.9
PT4	32.5	32.5	32.5	32.5	32.5	32.5	32.5	33.6
TT3D	820	820	820	820	820	820	820	828
TT4	1252	1252	1252	1252	1252	1252	1252	1266
PT9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	6.1
PTD	5.9	6.1	6.2	6.3	6.4	6.5	6.6	7.3
TT9	2007	2007	2007	2007	2007	2007	2007	2006
TTD	3560	3000	2750	2500	2250	2000	1492	828
WAS/WAP	0.0423	0.0396	0.0384	0.0371	0.0358	0.0344	0.0315	0.0271
VENG	1979	1979	1979	1979	1979	1979	1979	1979
VOUCT	2617	2408	2308	2203	2093	1976	1714	1286
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
AJCDO	14.20	12.36	11.56	10.75	9.98	9.21	7.63	6.02

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ALT	65000	WASIZE	640	PT2/PT2P	0.923	WBL3	0.
MO	2.00	PAM	[illegible]	PT2	6.0	WBL4	0.
VA KTS	1176	TAM	410	TT2	737	HPEXT	0.

MAXTHR	MAX D/H						MIN D/H NOT LIT	
FNT	13019	11250	10582	9788	8936	8104	6422	3765
FGT	23863	22193	21426	20631	19810	18945	17266	14608
WAT	176	176	176	176	176	176	176	176
WFT	26523	20724	18397	16205	14225	12325	9119	5020
TSFC	2.037	1.826	1.738	1.656	1.587	1.521	1.420	1.334
BPR	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91
WAT2	515	515	515	515	515	515	515	515
N1	5481	5481	5481	5481	5481	5481	5481	5509
N2	8059	8059	8059	8059	8059	8059	8059	8109
PT3D	9.8	9.8	9.8	9.8	9.8	9.8	9.8	10.1
PT4	38.2	38.2	38.2	38.2	38.2	38.2	38.2	39.0
TT3D	881	881	881	881	881	881	881	888
TT4	1307	1307	1307	1307	1307	1307	1307	1322
PT9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	7.1
PTD	8.0	8.2	8.3	8.4	8.5	8.6	8.9	9.4
TT9	2005	2005	2005	2005	2005	2005	2005	2005
TTD	3560	3000	2750	2500	2250	2000	1547	888
WAS/WAP	0.0405	0.0380	0.0368	0.0356	0.0343	0.0330	0.0304	0.0261
VENG	1978	1978	1978	1978	1978	1978	1978	1978
VOUCT	2617	2408	2308	2203	2093	1976	1745	1231
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
AJCDO	12.54	10.98	10.28	9.61	8.95	8.29	7.06	4.75

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ALT	65000	WASIZE	640	PT2/PT2P	0.904	WBL3	0.
MO	2.20	PAM	0.8	PT2	8.0	WBL4	0.
VA KTS	1294	TAM	410	TT2	805	HPEXT	0.

MAXTHR	MAX D/H						MIN D/H NOT LIT	
FNT	15265	13154	12182	11182	10151	9074	7282	4077
FGT	29290	27179	26207	25207	24176	23099	21307	18102
WAT	207	207	207	207	207	207	207	207
WFT	30435	23628	20898	18324	15992	13760	10485	5654
TSFC	1.994	1.796	1.716	1.639	1.575	1.516	1.440	1.387
BPR	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.92
WAT2	474	474	474	474	474	474	474	474
N1	5414	5414	5414	5414	5414	5414	5414	5447
N2	8063	8063	8063	8063	8063	8063	8063	8123
PT3D	12.9	12.9	12.9	12.9	12.9	12.9	12.9	13.3
PT4	44.8	44.8	44.8	44.8	44.8	44.8	44.8	46.5
TT3D	950	950	950	950	950	950	950	957
TT4	1367	1367	1367	1367	1367	1367	1367	1382
PT9	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.3
PTD	10.9	11.2	11.3	11.4	11.5	11.6	11.7	12.4
TT9	2004	2004	2004	2004	2004	2004	2004	2004
TTD	3560	3000	2750	2500	2250	2000	1409	957
WAS/WAP	0.0388	0.0365	0.0352	0.0340	0.0328	0.0315	0.0294	0.0256
VENG	1978	1978	1978	1978	1978	1978	1978	1978
VOUCT	2618	2408	2308	2203	2093	1977	1779	1381
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
AJCDO	10.76	9.47	8.91	8.35	7.80	7.24	6.34	4.44

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ALT         65000   WASIZE      640   PT2/PT2P  0.870   WBL3        0.
MO           2.50   PAM         0.5   PT2        12.3   WBL4        0.
VA KTS       1477   TAM         415   TT2         919   HPEXT       0.

MAXTHR    MAX O/H                                        MIN O/H NOT LIT

FNT     [illegible]   15595    14190    13355    11583    10263     8569     4311
FGT        36680    35769    34541    33112    31562    30217    28527    24466
WAT          259      259      259      259      259      259      257      259
WFT        31295    27977    25652    21351    19652    15691    12726     6706
TSFC    [illegible] [illegible] 1.776  1.633    1.578    1.579    1.485    1.476
BPR         1.89     1.89     1.89     1.89     1.89     1.89     1.89     1.88
WAT2         412      412      412      412      412      412      412      412

N1          5321     5321     5321     5321     5321     5321     5321     5361
N2          8119     8119     8119     8119     8119     8119     8119     8165
PT3D        17.2     17.2     17.2     17.2     17.2     17.2     17.2     17.7
PT4         57.3     57.3     57.3     57.3     57.3     57.3     57.3     59.4
TT3D        1069     1069     1069     1069     1069     1069     1069     1076
TT4         1467     1467     1467     1467     1467     1467     1467     1482

PT9         10.2     10.2     10.2     10.2     10.2     10.2     10.2     10.5
PTO         17.3     17.4     17.5     17.6     17.7     17.8     17.9     18.7
TT9         2003     2003     2003     2003     2003     2003     2003     2002
TTO         3560     3000     2750     2500     2250     2000     1711     1076
WAS/WAP   0.0363   0.0340   0.0329   0.0318   0.0307   0.0295   0.0281   0.0247
VENG        1977     1977     1977     1977     1977     1977     1977     1977
VDUCT       2618     2408     2308     2204     2093     1977     1836     1463
AJCDE       5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.21
AJCDO       8.49     7.93     7.11     6.69     6.27     5.84     5.33     3.89

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ALT         65000   WASIZE      640   PT2/PT2P  0.848   WBL3        0.
MO           2.70   PAM         0.5   PT2        15.9   WBL4        0.
VA KTS       1594   TAM         415   TT2        1001   HPEXT       0.

MAXTHR    MAX O/H                                        MIN O/H NOT LIT

FNT        21041    17622    16037    14621    12762    11036     9555     4777
FGT        56555    46235    45651    39776    38125    36592    34418    30184
WAT          305      305      305      305      305      305      305      305
WFT        41272    31110    27718    23715    21167    17158    14584     7696
TSFC       1.957    1.777    1.723    1.666    1.516    1.555    1.527    1.569
BPR         1.97     1.97     1.97     1.97     1.97     1.97     1.97     1.96
WAT2         382      382      382      382      382      382      382      382

N1          5257     5257     5257     5257     5257     5257     5257     5369
N2          8226     8226     8226     8226     8226     8226     8226     8267
PT3D        24.7     24.7     24.7     24.7     24.7     24.7     24.7     25.2
PT4         68.0     68.0     68.0     68.0     68.0     68.0     68.0     70.5
TT3D        1156     1156     1156     1156     1156     1156     1156     1161
TT4         1561     1561     1561     1561     1561     1561     1561     1556

PT9         12.0     12.0     12.0     12.0     12.0     12.0     12.0     12.4
PTO         22.5     22.8     22.9     23.0     23.1     23.1     23.2     24.0
TT9         2001     2001     2001     2001     2001     2001     2001     2000
TTO         3560     3000     2750     2500     2250     2000     1756     1161
WAS/WAP   0.0357   0.0326   0.0315   0.0305   0.0294   0.0283   0.0271   0.0241
VENG        1977     1977     1977     1977     1977     1977     1977     1976
VDUCT       2615     2408     2304     2204     2096     1977     1875     1518
AJCDE       5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDO       7.54     6.77     6.40     6.21     5.66     5.27     4.94     3.70

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ALT         75000   WASIZE      640   PT2/PT2P [illegible] WBL3     0.
MO    [illegible]   PAM         0.5   PT2         5.7   WBL4        0.
VA KTS [illegible]  TAM         415   TT2  [illegible]  HPEXT       0.

MAXTHR    MAX O/H                                        MIN O/H NOT LIT

FNT         7943     6778     6376     5935     5327     4796     3614     2117
FGT        14547    13744    13379    12962    12171    11560    10965 [illegible]
WAT   [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
WFT   [illegible]    15336    12957    10051     8607 [illegible]   5074 [illegible]
TSFC       2.155    2.066    1.855    1.806    1.756    1.688    1.562    1.614
BPR         2.07     2.07     2.07     2.07     2.07     2.07     2.07 [illegible]
WAT2         515      515      515      515      515      515      515      515

N1          5663     5663     5663     5663     5663     5663     5663     5591
N2          7435     7435     7435     7435     7435     7435     7435     7476
PT3D         5.5      5.5      5.5      5.5      5.5      5.5      5.5      5.8
PT4         22.5     22.5     22.5     22.5     22.5     22.5     22.5     23.4
TT3D         878      878      878      878      878      878      878      885
TT4         1311     1311     1311     1311     1311     1311     1311     1326

PT9          6.1      6.1      6.1      6.1      6.1      6.1      6.1      6.2
PTO          6.3      6.4      6.5      6.6      6.6      6.7      6.8      7.3
TT9         2012     2012     2012     2012     2012     2012     2012     2011
TTO         3560     3000     2750     2500     2250     2000     1632      886
WAS/WAP   0.0405   0.0379   0.0367   0.0354   0.0341   0.0328   0.0298   0.0259
VENG        1981     1981     1981     1981     1981     1981     1981     1982
VDUCT       2617     2407     2307     2203     2093     1975     1714     1329
AJCDE       5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.21
AJCDO      13.04    13.01    12.13    11.28    10.45     9.64     7.98     5.18

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ALT         75000   WASIZE      640   PT2/PT2P  0.904   WBL3        0.
MO           2.20   PAM         0.5   PT2         5.0   WBL4        0.
VA KTS       1302   TAM         415   TT2         815   HPEXT       0.

MAXTHR    MAX O/H                                        MIN O/H NOT LIT

FNT         9252     7451     7351     6712     6093     5626     4106     2317
FGT        17978    15677    16075    15559    14919    14150    13031    11047
WAT          128      128      128      128      128      128      128      128
WFT        19017    14714    12987    11159     9896     6474     4397     3361
TSFC       2.055    1.851    1.767    1.687    1.623    1.562    1.486    1.447
BPR         2.08     2.09     2.08     2.08     2.08     2.08     2.08     2.05
WAT2         474      474      474      474      474      474      474      474

N1          5393     5393     5393     5393     5393     5393     5393     5436
N2          7957     7957     7957     7957     7957     7957     7957     8022
PT3D         7.5      7.5      7.5      7.5      7.5      7.5      7.5      7.8
PT4         26.4     26.4     26.4     26.4     26.4     26.4     26.4     27.5
TT3D         949      949      949      949      949      949      949      956
TT4         1371     1371     1371     1371     1371     1371     1371     1387

PT9          4.7      4.7      4.7      4.7      4.7      4.7      4.7      4.9
PTO          6.2      6.3      6.4      6.5      6.6      6.6      6.7      7.2
TT9         2010     2010     2010     2010     2010     2010     2010     2009
TTO         3560     3000     2750     2500     2250     2000     1658      956
WAS/WAP   0.0387   0.0363   0.0351   0.0339   0.0326   0.0314   0.0292   0.0255
VENG        1981     1981     1981     1981     1981     1981     1981     1980
VDUCT       2618     2408     2308     2203     2093     1977     1775     1399
AJCDE       5.21     5.21     5.21     5.21     5.21     5.21     5.       5.21
AJCDO      12.08    10.58     9.93     9.24     8.66     8.03     7.       4.84

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ALT         75000   WASIZE      640   PT2/PT2P  0.870   WBL3        0.
MO           2.50   PAM         0.5   PT2         7.6   WBL4        0.
VA KTS       1479   TAM         415   TT2         930   HPEXT       0.

MAXTHR    MAX O/H                                        MIN O/H NOT LIT

FNT        11351     9583     8768     7939     7084     6194     5144     2604
FGT        23766    21398    21183    20354    19499    18609    17558    16018
WAT          160      160      160      160      160      160      160      160
WFT        22580    17296    15110    13174    11253     9635     7782     3987
TSFC       1.989    1.805    1.723    1.659    1.604    1.555    1.513    1.531
BPR         1.99     1.99     1.99     1.99     1.99     1.99     1.99     1.98
WAT2         412      412      412      412      412      412      412      41

N1          5306     5306     5306     5306     5306     5306     5306     5346
N2          8076     8076     8076     8076     8076     8076     8076     8113
PT3D        11.5     11.5     11.5     11.5     11.5     11.5     11.5     11.8
PT4         34.3     34.3     34.3     34.3     34.3     34.3     34.3     35.5
TT3D        1071     1071     1071     1071     1071     1071     1071     1078
TT4         1474     1474     1474     1474     1474     1474     1474     1488

PT9          6.1      6.1      6.1      6.1      6.1      6.1      6.1      6.3
PTO         10.2     10.3     10.4     10.5     10.5     10.6     10.7     11.1
TT9         2008     2008     2008     2008     2008     2008     2008     2007
TTO         3560     3000     2750     2500     2250     2000     1719     1078
WAS/WAP   0.0362   0.0339   0.0328   0.0317   0.0305   0.0294   0.0280   0.0245
VENG        1980     1980     1980     1980     1980     1980     1980     1979
VDUCT       2618     2408     2303     2204     2093     1977     1837     1464
AJCDE       5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDO       9.02     8.00     7.54     7.10     6.65     6.18     5.65     4.12

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ALT         75000   WASIZE      640   PT2/PT2P  0.848   WBL3        0.
MO           2.70   PAM         0.5   PT2        10.1   WBL4        0.
VA KTS       1597   TAM         415   TT2        1013   HPEXT       0.

MAXTHR    MAX O/H                                        MIN O/H NOT LIT

FNT        12945    10779     9789     8780     7762     6694     5749     2762
FGT        28727    26561    25570    24562    23525 [illegible]  21531    18556
WAT          188      188      188      188      188      188      188      188
WFT        25679    19417    16907    14661    12527 [illegible]   6329     4467
TSFC       1.984    1.801    1.727    1.668    1.618    1.577    1.553    1.617
BPR         1.97     1.97     1.97     1.97     1.97     1.97     1.97     1.96
WAT2         382      382      382      382      382      382      382      382

N1          5228     5228     5228     5228     5228     5228     5228     5276
N2          8189     8189     8189     8189     8189     8189     8189     8225
PT3D        14.9     14.9     14.9     14.9     14.9     14.9     14.9     15.2
PT4         40.7     40.7     40.7     40.7     40.7     40.7     40.7     42.2
TT3D        1157     1157     1157     1157     1157     1157     1157     1164
TT4         1548     1548     1548     1548     1548     1548     1548     1563

PT9          7.2      7.2      7.2      7.2      7.2      7.2      7.2      7.5
PTO         13.4     13.6     13.6     13.7     13.6     13.8     13.9     14.4
TT9         2007     2007     2007     2007     2007     2007     2007     2006
TTO         3560     3000     2750     2500     2250     2000     1797     1164
WAS/WAP   0.0346   0.0324   0.0314   0.0304   0.0293   0.0281   0.0272   0.0239
VENG        1980     1980     1980     1980     1980     1980     1980     1979
VDUCT       2618     2408     2109     2204     2094     1977     1877     1520
AJCDE       5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.21
AJCDO       8.01     7.11     6.74     6.35     5.95     5.54     5.20     3.68

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DOWNGRADED AT 3 YEAR INTERVALS
DECLASSIFIED AFTER 12 YEARS
DOD DIR 5200.10

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ALT       [illegible]  WASIZE   640   PT2/PT2P [illegible]  WBL3   0.
MO        [illegible]  PAM      1.3   PT2      [illegible]  WBL4   0.
VA KTS    [illegible]  TAM      390   TT2      [illegible]  HPEXT  0.

CRUISE    MAX D/H                                         MIN D/H NOT LIT

FNT       [illegible] [illegible] [illegible] 19005  17214  15540 [illegible]  7605
FGT       [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
WAT          362     362     362     362     362     362     362     362
WFT       [illegible] [illegible] 36451  30241  26471  22638 [illegible] [illegible]
TSFC      [illegible] [illegible] 1.564 [illegible] [illegible] 1.469 [illegible] [illegible]
BPR       [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
WAT2         474     474     474     474     474     474     474     474

N1        [illegible] [illegible] [illegible] [illegible] 5314 [illegible] [illegible] [illegible]
N2        [illegible] [illegible] [illegible] [illegible] [illegible] 8006 [illegible] [illegible]
PT30      [illegible] [illegible] [illegible] 21.8   21.8   21.8  [illegible] [illegible]
PT4       [illegible] [illegible] [illegible] 75.2   75.2   75.2  [illegible] [illegible]
TT30      [illegible] [illegible] [illegible]  915    915    915  [illegible] [illegible]
TT4       [illegible] [illegible] [illegible] 1315   1315   1315  [illegible] [illegible]

PT9       [illegible] [illegible] [illegible] 13.4   13.4   13.4   13.4  [illegible]
PTD       [illegible] [illegible] [illegible] 19.5   19.7   19.8  [illegible] [illegible]
TT9       [illegible] [illegible] [illegible] [illegible] 1921   1921  [illegible] [illegible]
TTD       [illegible] [illegible]  2750  [illegible] 2250   2000  [illegible] [illegible]
WAS/WAP   [illegible] [illegible] [illegible] [illegible] 0.0334 0.0321 [illegible] [illegible]
VENG      [illegible] [illegible] [illegible] [illegible] 1937 [illegible] [illegible] [illegible]
VDUCT     [illegible] [illegible] [illegible]  2204   2093   1977  [illegible] [illegible]
AJCDE     [illegible] [illegible]  5.20    5.20   5.20   5.20  [illegible] [illegible]
AJCDD     [illegible] [illegible] [illegible] [illegible] 7.41   6.48   5.65  [illegible]

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ALT       55000   WASIZE     640   PT2/PT2P  0.870   WBL3    0.
MO         2.50   PAM        1.3   PT2        19.0   WBL4    0.
VA KTS     1434   TAM        390   TT2         875   HPEXT   0.

CRUISE    MAX D/H                                    MIN D/H NOT LIT

FNT       31150   26495   24161   22176   19932   17597   14451    7722
FGT       63310   58655   56122   54336   52093   49758   46612   39853
WAT         428     428     428     428     428     428     428     428
WFT       59740   46030   40524   35343   30667   26161   20770   10939
TSFC      1.918   1.737   1.661   1.594   1.538   1.487   1.436   1.417
BPR        1.80    1.80    1.80    1.80    1.80    1.80    1.80    1.79
WAT2        412     412     412     412     412     412     412     412

N1         5236    5236    5236    5236    5236    5236    5236    5280
N2         8021    8021    8021    8021    8021    8021    8021    8077
PT30       32.1    32.1    32.1    32.1    32.1    32.1    32.1    32.9
PT4        95.7    95.7    95.7    95.7    95.7    95.7    95.7    99.6
TT30       1028    1028    1028    1028    1028    1028    1028    1036
TT4        1411    1411    1411    1411    1411    1411    1411    1426

PT9        16.9    16.9    16.9    16.9    16.9    16.9    16.9    17.6
PTD        28.9    29.3    29.5    29.6    29.8    29.9    30.2    31.6
TT9        1919    1919    1919    1919    1919    1917    1919    1918
TTD        3560    3000    2750    2500    2250    2000    1686    1036
WAS/WAP  0.0369  0.0346  0.0335  0.0324  0.0312  0.0300  0.0284  0.0249
VENG       1937    1937    1937    1937    1937    1937    1937    1936
VDUCT      2618    2408    2308    2204    2093    1977    1816    1436
AJCDE      5.21    5.21    5.21    5.21    5.21    5.21    5.21    6.21
AJCDD      8.21    7.30    6.89    6.49    6.08    5.66     5.1    3.69

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ALT       55000   WASIZE     640   PT2/PT2P  0.846   WBL3    0.
MO         2.70   PAM        1.3   PT2        26.3   WBL4    0.
VA KTS     1548   TAM        390   TT2         954   HPEXT   0.

CRUISE    MAX D/H                                    MIN D/H NOT LIT

FNT       35475   29790   27193   24551   21832   19006   16054    8151
FGT       76548   70666 [illegible] [illegible] 62706 59880  56948   44025
WAT         503     503     503     503     503     503     503     503
WFT       68109   51822   45304   39423   33930   28690   23739   12191
TSFC      1.920   1.740   1.666   1.606   1.554   1.510   1.475   1.496
BPR        1.79    1.79    1.79    1.79    1.79    1.79    1.79    1.73
WAT2        382     382     382     382     382     382     382     382

N1         5189    5189    5189    5189    5189    5189    5189    5237
N2         8111    8111    8111    8111    8111    8111    8111    8147
PT30       41.1    41.1    41.1    41.1    41.1    41.1    41.1    41.9
PT4       113.4   113.4   113.4   113.4   113.4   113.4   113.4   117.6
TT30       1109    1109    1109    1109    1109    1109    1109    1116
TT4        1482    1482    1482    1482    1482    1482    1482    1497

PT9        20.0    20.0    20.0    20.0    20.0    20.0    20.0    20.7
PTD        37.6    38.0    38.2    38.4    38.5    38.7    38.8    40.1
TT9        1917    1917    1917    1917    1917    1917    1917    1917
TTD        3560    3000    2750    2500    2250    2000    1754    1116
WAS/WAP  0.0353  0.0331  0.0321  0.0310  0.0299  0.0287  0.0276  0.0243
VENG       1936    1936    1936    1936    1936    1936    1936    1936
VDUCT      2618    2408    2308    2204    2093    1977    1855    1489
AJCDE      5.21    5.21    5.21    5.21    5.21    5.21    5.21    5.20
AJCDD      7.40    6.60    6.24    5.88    5.52    5.14    4.76    3.53

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ALT       65000   WASIZE     640   PT2/PT2P [illegible]  WBL3    0.
MO      [illegible] PAM      0.8   PT2      [illegible]  WBL4    0.
VA KTS     1262   TAM        390   TT2      [illegible]  HPEXT   0.

CRUISE    MAX D/H                                    MIN D/H NOT LIT

FNT       15936   13711   12761   11749   10665    9414    7551 [illegible]
FGT       29917   27754   26762 [illegible] 24684  23685   21972 [illegible]
WAT         212     212     212     212     212     212     212     212
WFT       31219   24269   21682   18881   16673   14195 [illegible] [illegible]
TSFC      1.964   1.767   1.695   1.605   1.545   1.484   1.398   1.337
BPR        1.90    1.90    1.90    1.90    1.90    1.90    1.90 [illegible]
WAT2        474     474     474     474     474     474     474     474

N1         5300    5300    5300    5300    5300    5300    5300 [illegible]
N2         7935    7935    7935    7935    7935    7935    7935    7558
PT30       13.1    13.1    13.1    13.1    13.1    13.1    13.1 [illegible]
PT4        45.6    45.6    45.6    45.6    45.6    45.6    45.6    47.4
TT30        909     909     909     909     909     909     909     917
TT4        1311    1311    1311    1311    1311    1311    1311 [illegible]

PT9         8.2     8.2     8.2     8.2     8.2     8.2     8.2     8.4
PTD        11.2    11.4    11.6    11.7    11.9    11.9 [illegible] [illegible]
TT9        1925    1925    1925    1925    1925    1925    1925    1925
TTD        3560    3000    2750    2500    2250    2000    1572 [illegible]
WAS/WAP [illegible] [illegible] 0.0359 0.0347 0.0334 0.0321 [illegible] [illegible]
VENG       1940    1940    1940    1940    1940    1940    1940    1735
VDUCT      2618    2408    2308    2204    2093    1977    1754    1352
AJCDE      5.21    5.21    5.21    5.21    5.21    5.21    5.21    5.21
AJCDD     10.72    9.45 [illegible] 8.32 [illegible] 7.21 [illegible] 4.32

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ALT       65000   WASIZE     640   PT2/PT2P  0.870   WBL3    0.
MO         2.50   PAM        0.8   PT2        12.3   WBL4    0.
VA KTS     1434   TAM        390   TT2         875   HPEXT   0.

CRUISE    MAX D/H                                    MIN D/H NOT LIT

FNT       19317   16417   15088   13726   12326   10870    8876    4642
FGT       39260   36360   35030   33668   32269   30812   28819   24604
WAT         265     265     265     265     265     265     265     265
WFT       37296   28703   25257   22013   19073   16265   12808    6679
TSFC      1.930   1.748   1.674   1.604   1.547   1.496   1.443   1.433
BPR        1.85    1.85    1.85    1.85    1.85    1.85    1.85    1.84
WAT2        412     412     412     412     412     412     412     412

N1         5214    5214    5214    5214    5214    5214    5214    5255
N2         7974    7974    7974    7974    7974    7974    7974    8026
PT30       19.5    19.5    19.5    19.5    19.5    19.5    19.5    20.0
PT4        58.3    58.3    58.3    58.3    58.3    58.3    58.3    60.5
TT30       1023    1023    1023    1023    1023    1023    1023    1031
TT4        1407    1407    1407    1407    1407    1407    1407    1422

PT9        10.3    10.3    10.3    10.3    10.3    10.3    10.3    10.7
PTD        17.4    17.7    17.8    17.9    18.0    18.1    18.2    19.0
TT9        1924    1924    1924    1924    1924    1924    1924    1925
TTD        3560    3000    2750    2500    2250    2000    1675    1181
WAS/WAP  0.0373  0.0346  0.0335  0.0324  0.0313  0.0300  0.0284  0.0248
VENG       1939    1939    1939    1939    1939    1939    1939    1939
VDUCT      2618    2408    2308    2204    2093    1977    1816    1432
AJCDE      5.20    5.20    5.20    5.20    5.20    5.20    5.20    6.21
AJCDD      8.52    7.56    7.14    6.72    6.29    5.86    5.27    3.81

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ALT       65000   WASIZE     640   PT2/PT2P  0.846   WBL3    0.
MO         2.70   PAM        0.8   PT2        16.3   WBL4    0.
VA KTS     1548   TAM        390   TT2         954   HPEXT   0.

CRUISE    MAX D/H                                    MIN D/H NOT LIT

FNT       22024   18483   16863   15215   13519   11756    9904    4934
FGT       47370   43820   42209   40561   38865   37102   35250   30280
WAT         312     312     312     312     312     312     312     312
WFT       42503   32312   28234   24554   21118   17839   14604    7458
TSFC      1.930   1.748   1.674   1.614   1.562   1.517   1.483   1.512
BPR        1.84    1.84    1.84    1.84    1.84    1.84    1.84    1.83
WAT2        382     382     382     382     382     382     382     382

N1         5160    5160    5160    5160    5160    5160    5160    5206
N2         8073    8073    8073    8073    8073    8073    8073    8109
PT30       25.0    25.0    25.0    25.0    25.0    25.0    25.0    25.5
PT4        69.2    69.2    69.2    69.2    69.2    69.2    69.2    71.7
TT30       1104    1104    1104    1104    1104    1104    1104    1113
TT4        1478    1478    1478    1478    1478    1478    1478    1493

PT9        12.2    12.2    12.2    12.2    12.2    12.2    12.2    12.6
PTD        22.6    23.1    23.2    23.3    23.4    23.5    23.6    24.6
TT9        1922    1922    1922    1922    1922    1922    1922    1922
TTD        3560    3000    2750    2500    2250    2000    1749    1111
WAS/WAP  0.0354  0.0332  0.0321  0.0310  0.0299  0.0288  0.0276  0.0242
VENG       1938    1938    1938    1938    1938    1938    1938    1938
VDUCT      2618    2408    2308    2204    2093    1977    1852    1486
AJCDE      5.21    5.21    5.21    5.21    5.21    5.21    5.21    5.20
AJCDD      7.64    6.80    6.43    6.06    5.68    5.30    4.89    3.91

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ALT       75000   WASIZE       640   PT2/PT2P  0.974   WBL3        0.
MO         2.20   PAM          0.5   PT2         5.0   WBL4        0.
VA KTS     1270   TAP          395   TT2         770   HPEXT       0.

CRUISE   MAX D/H                                       MIN D/H NOT LIT

FNT        9652     8316     7704     7073     6418     5734     4478     2405
FGT  [illegible] [illegible] 16627 [illegible] 15140   14457    13701    11128
WAT         131      131      131      131      131      131      131      131
WFT       19427    15102    13366    11688    10186     8745     6441     3331
TSFC      2.013    1.816    1.735    1.651    1.587    1.525    1.438    1.385
BPR        2.03     2.03     2.03     2.03     2.03     2.03     2.03     2.00
WAT2        474      474      474      474      474      474      474      474

N1         5286     5286     5286     5286     5286     5286     5286 [illegible]
N2         7836     7836     7836     7836     7836     7836     7836 [illegible]
PT3D        7.7      7.7      7.7      7.7      7.7      7.7      7.7      8.0
PT4        27.0     27.0     27.0     27.0     27.0     27.0     27.0     28.1
TT3D        909      909      909      909      909      909      909      918
TT4        1316     1316     1316     1316     1316     1316     1316     1331

PT9         4.8      4.8      4.8      4.8      4.8      4.8      4.8      5.0
PTD         6.4      6.5      6.6      6.7      6.7      6.8      6.9      7.4
TT9        1931     1931     1931     1931     1931     1931     1931     1930
TTD        3560     3000     2750     2500     2250     2000     1572      516
WAS/WAP  0.0385   0.0369   0.0357   0.0345   0.0332   0.0319   0.0295   0.0254
VENG       1942     1942     1942     1942     1942     1942     1942     1942
VDUCT      2618     2408     2308     2204     2093     1977     1758     1352
AJCDE      5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDD     11.75    10.49     9.83     9.20     8.57     7.95     6.85     4.60

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ALT       75000   WASIZE       640   PT2/PT2P  0.870   WBL3        0.
MO         2.50   PAM          0.5   PT2         7.6   WBL4        0.
VA KTS     1443   TAP          395   TT2         886   HPEXT       0.

CRUISE   MAX D/H                                       MIN D/H NOT LIT

FNT       11835    10029     9200     8350     7477     6568     5311     2689
FGT       24241    22437    21608    20758    19885    18976    17739    15097
WAT         164      164      164      164      164      164      164      164
WFT       23206    17811    15644    13605    11757     9992     7813     3967
TSFC      1.961    1.776    1.700    1.629    1.572    1.521    1.469    1.475
BPR        1.95     1.95     1.95     1.95     1.95     1.95     1.95     1.96
WAT2        412      412      412      412      412      412      412      412

N1         5202     5202     5202     5202     5202     5202     5207     5239
N2         7932     7932     7932     7932     7932     7932     7932     7969
PT3D       11.7     11.7     11.7     11.7     11.7     11.7     11.7     11.9
PT4        34.9     34.9     34.9     34.9     34.9     34.9     34.9     36.1
TT3D       1025     1025     1025     1025     1025     1025     1025     1032
TT4        1414     1414     1414     1414     1414     1414     1414     1428

PT9         6.2      6.2      6.2      6.2      6.2      6.2      6.2      6.4
PTD        10.3     10.5     10.6     10.6     10.7     10.8     10.8     11.3
TT9        1929     1929     1929     1929     1929     1929     1929     1928
TTD        3560     3000     2750     2500     2250     2000     1677     1032
WAS/WAP  0.0369   0.0345   0.0334   0.0323   0.0311   0.0299   0.0282   0.0246
VENG       1942     1942     1942     1942     1942     1942     1942     1941
VDUCT      2618     2408     2308     2204     2093     1977     1815     1433
AJCDE      5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.21
AJCDD      9.06     8.02     7.57     7.12     6.66     6.20     5.58     4.06

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ALT       75000   WASIZE       640   PT2/PT2P  0.846   WBL3        0.
MO         2.70   PAM          0.5   PT2        10.1   WBL4        0.
VA KTS     1558   TAP          395   TT2         966   HPEXT       0.

CRUISE   MAX D/H                                       MIN D/H NOT LIT

FNT       13521    11309    10298     9268     8208     7106     5963     2854
FGT       29291    27079    26068    25039    23978    22876    21734    18625
WAT         193      193      193      193      193      193      193      193
WFT       26441    20039    17477    15165    13006    10946     8989     4442
TSFC      1.956    1.772    1.697    1.636    1.585    1.540    1.507    1.556
BPR        1.93     1.93     1.93     1.93     1.93     1.93     1.93     1.92
WAT2        382      382      382      382      382      382      382      382

N1         5133     5133     5133     5133     5133     5133     5133     5179
N2         8039     8039     8039     8039     8039     8039     8039     8074
PT3D       15.1     15.1     15.1     15.1     15.1     15.1     15.1     15.4
PT4        41.4     41.4     41.4     41.4     41.4     41.4     41.4     42.9
TT3D       1108     1108     1108     1108     1108     1105     1108     1125
TT4        1485     1485     1485     1485     1495     1485     1485     1500

PS9         7.3      7.3      7.3      7.3      7.3      7.3      7.3      7.6
PTD        13.6     13.8     13.9     13.9     14.0     14.0     14.1     14.6
TT9        1928     1928     1928     1928     1928     1928     1928     1927
TTD        3560     3000     2750     2500     2250     2000     1752     1115
WAS/WAP  0.0353   0.0330   0.0320   0.0309   0.0298   0.0286   0.0274   0.0240
VENG       1941     1941     1941     1941     1941     1941     1941     1941
VDUCT      2618     2408     2308     2204     2093     1977     1854     1488
AJCDE      5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.21
AJCDD      8.05     7.16     6.76     6.37     5.97     5.56     5.14     3.81

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ALT	55000	WASIZE	640	PT2/PT2P	0.904	WBL3	0.
MO	2.20	FAN	1.3	PT2	12.9	WBL4	0.
VA KTS	1262	TAM	390	TT2	767	HPEXT	0.

CRUISE	MAX D/H						MIN D/H NOT LIT	
FNT	25914	22403	20795	19137	17429	15645	12414	7010
FGT	48709	45193	43589	41932	40224	38440	35209	29805
WAT	344	344	344	344	344	344	344	344
WFT	50479	39270	34775	30536	26702	23028	17205	9261
TSFC	1.948	1.753	1.672	1.596	1.532	1.472	1.386	1.321
BPR	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.84
WAT2	478	478	478	478	478	478	478	478
N1	5334	5334	5334	5334	5334	5334	5334	5368
N2	8005	8005	8005	8005	8005	8005	8005	8059
PT30	21.6	21.6	21.6	21.6	21.6	21.6	21.6	22.3
PT4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	78.2
TT30	913	913	913	913	913	913	913	921
TT4	1316	1316	1316	1316	1316	1316	1316	1330
PT9	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.6
PTD	18.9	18.9	19.1	19.3	19.5	19.6	19.8	21.0
TT9	1920	1920	1920	1920	1920	1920	1920	1920
TTD	3560	3000	2750	2500	2250	2000	1576	921
WAS/WAF	0.0395	0.0370	0.0358	0.0346	0.0334	0.0321	0.0290	0.0258
VENG	1937	1937	1937	1937	1937	1937	1937	1937
VDUCT	2618	2408	2308	2203	2093	1977	1761	1335
AJCDE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.21
AJCDO	10.43	9.20	8.65	8.11	7.58	7.04	6.09	4.23

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ALT	55000	WASIZE	640	PT2/PT2P	0.870	WBL3	0.
MO	2.50	FAN	1.3	PT2	19.8	WBL4	0.
VA KTS	1434	TAM	390	TT2	875	HPEXT	0.

CRUISE	MAX D/H						MIN D/H NOT LIT	
FNT	32693	27777	25520	23207	20830	18354	14916	7724
FGT	66415	61498	59242	56929	54551	52075	48638	41446
WAT	448	448	448	448	448	448	448	448
WFT	63365	48709	42825	37288	32767	27470	21492	11012
TSFC	1.938	1.754	1.678	1.607	1.573	1.497	1.441	1.426
BPR	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.89
WAT2	432	432	432	432	432	432	432	432
N1	5317	5317	5317	5317	5317	5317	5317	5352
N2	8022	8022	8022	8022	8022	8022	8022	8077
PT30	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.9
PT4	96.7	96.7	96.7	96.7	96.7	96.7	96.7	100.4
TT30	1018	1018	1018	1018	1018	1018	1018	1026
TT4	1415	1415	1415	1415	1415	1415	1415	1429
PT9	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.7
PTD	27.3	27.8	28.0	28.2	28.4	28.5	28.9	30.1
TT9	1918	1918	1918	1918	1918	1918	1918	1917
TTD	3560	3000	2750	2500	2250	2000	1671	1026
WAS/WAF	0.0370	0.0347	0.0336	0.0324	0.0311	0.0300	0.0283	0.0247
VENG	1936	1936	1936	1936	1936	1936	1936	1936
VDUCT	2618	2408	2308	2204	2093	1977	1817	1428
AJCDE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.21
AJCDO	9.29	8.22	7.76	7.29	6.82	6.35	5.70	4.09

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ALT	55000	WASIZE	640	PT2/PT2P	0.846	WBL3	0.
MO	2.70	FAN	1.3	PT2	26.3	WBL4	0.
VA KTS	1548	TAM	390	TT2	954	HPEXT	0.

CRUISE	MAX D/H						MIN D/H NOT LIT	
FNT	37702	31614	28828	25991	23068	20030	16754	8143
FGT	80959	74871	72085	69247	66325	63287	60011	51400
WAT	533	533	533	533	533	533	533	533
WFT	73124	55472	48414	42044	36091	30415	24818	12284
TSFC	1.940	1.755	1.679	1.618	1.565	1.518	1.481	1.508
BPR	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.91
WAT2	404	404	404	404	404	404	404	404
N1	5287	5287	5287	5287	5287	5287	5287	5324
N2	8116	8116	8116	8116	8116	8116	8116	8152
PT30	39.7	39.7	39.7	39.7	39.7	39.7	39.7	40.6
PT4	114.9	114.9	114.9	114.9	114.9	114.9	114.9	118.9
TT30	1097	1097	1097	1097	1097	1097	1097	1103
TT4	1487	1487	1487	1487	1487	1487	1487	1501
PT9	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.9
PTD	35.9	36.0	36.2	36.4	36.6	36.8	37.0	38.4
TT9	1916	1916	1916	1916	1916	1916	1916	1915
TTD	3560	3000	2750	2500	2250	2000	1742	1104
WAS/WAF	0.0355	0.0332	0.0321	0.0311	0.0299	0.0288	0.0275	0.0241
VENG	1935	1935	1935	1935	1935	1935	1935	1939
VDUCT	2618	2408	2308	2204	2093	1977	1849	1481
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
AJCDO	8.50	7.54	7.12	6.70	6.28	5.85	5.39	3.97

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ALT	65000	WASIZE	640	PT2/PT2P	0.904	WBL3	0.
MO	2.20	FAN	0.8	PT2	8.0	WBL4	0.
VA KTS	1262	TAM	390	TT2	767	HPEXT	0.

CRUISE	MAX D/H						MIN D/H NOT LIT	
FNT	16001	13822	12823	11793	10731	9621	7584	4209
FGT	30136	27957	26958	25928	24866	23756	21719	18344
WAT	214	214	214	214	214	214	214	214
WFT	31524	24497	21678	19019	16616	14312	10619	5639
TSFC	1.970	1.772	1.691	1.613	1.548	1.488	1.400	1.340
BPR	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.90
WAT2	478	478	478	478	478	478	478	478
N1	5317	5317	5317	5317	5317	5317	5317	5349
N2	7937	7937	7937	7937	7937	7937	7937	7993
PT30	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.4
PT4	45.7	45.7	45.7	45.7	45.7	45.7	45.7	47.5
TT30	908	908	908	908	908	908	908	915
TT4	1312	1312	1312	1312	1312	1312	1312	1326
PT9	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.5
PTD	11.0	11.3	11.4	11.5	11.6	11.7	11.9	12.6
TT9	1925	1925	1925	1925	1925	1925	1925	1925
TTD	3560	3000	2750	2500	2250	2000	1571	915
WAS/WAF	0.0396	0.0371	0.0359	0.0347	0.0334	0.0321	0.0297	0.0257
VENG	1939	1939	1939	1939	1939	1939	1939	1939
VDUCT	2618	2408	2308	2203	2093	1977	1758	1351
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
AJCDO	11.00	9.69	9.10	8.52	7.94	7.38	6.37	4.41

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ALT	65000	WASIZE	640	PT2/PT2P	0.870	WBL3	0.
MO	2.50	FAN	0.8	PT2	12.5	WBL4	0.
VA KTS	1434	TAM	390	TT2	875	HPEXT	0.

CRUISE	MAX D/H						MIN D/H NOT LIT	
FNT	20251	17193	15790	14350	12870	11328	9161	4663
FGT	41162	38104	36700	35260	33780	32238	30071	25574
WAT	278	278	278	278	278	278	278	278
WFT	39508	30346	26668	23207	20068	17069	13289	6729
TSFC	1.951	1.765	1.689	1.617	1.559	1.507	1.451	1.443
BPR	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.94
WAT2	432	432	432	432	432	432	432	432
N1	5303	5303	5303	5303	5303	5303	5303	5335
N2	7980	7980	7980	7980	7980	7980	7980	8028
PT30	18.9	18.9	18.9	18.9	18.9	18.9	18.9	19.4
PT4	59.0	59.0	59.0	59.0	59.0	59.0	59.0	61.2
TT30	1014	1014	1014	1014	1014	1014	1014	1021
TT4	1412	1412	1412	1412	1412	1412	1412	1426
PT9	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.8
PTD	16.3	16.8	16.9	17.1	17.2	17.3	17.4	18.2
TT9	1922	1922	1922	1922	1922	1922	1922	1922
TTD	3560	3000	2750	2500	2250	2000	1667	1021
WAS/WAF	0.0371	0.0347	0.0336	0.0325	0.0313	0.0300	0.0283	0.0246
VENG	1930	1930	1930	1930	1930	1930	1930	1930
VDUCT	2618	2408	2308	2203	2093	1977	1810	1425
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
AJCDO	9.62	8.56	8.02	7.53	7.05	6.55	5.87	4.22

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ALT	65000	WASIZE	640	PT2/PT2P	0.846	WBL3	0.
MO	2.70	FAN	0.8	PT2	16.5	WBL4	0.
VA KTS	1548	TAM	390	TT2	954	HPEXT	0.

CRUISE	MAX D/H						MIN D/H NOT LIT	
FNT	23378	19600	17862	16095	14275	12381	10307	4933
FGT	50201	46423	44685	42918	41098	39205	37131	31756
WAT	330	330	330	330	330	330	330	330
WFT	45462	34621	30156	26175	22454	18907	15357	7525
TSFC	1.945	1.766	1.688	1.626	1.573	1.527	1.490	1.525
BPR	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.96
WAT2	404	404	404	404	404	404	404	404
N1	5265	5265	5265	5265	5265	5265	5265	5307
N2	8080	8080	8080	8080	8080	8080	8080	8115
PT30	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.7
PT4	70.1	70.1	70.1	70.1	70.1	70.1	70.1	72.8
TT30	1093	1093	1093	1093	1093	1093	1093	1099
TT4	1484	1484	1484	1484	1484	1484	1484	1498
PT9	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.8
PTD	21.5	21.8	22.0	22.1	22.2	22.3	22.5	23.4
TT9	1921	1921	1921	1921	1921	1921	1921	1920
TTD	3560	3000	2750	2500	2250	2000	1738	1099
WAS/WAF	0.0355	0.0333	0.0322	0.0311	0.0300	0.0288	0.0275	0.0240
VENG	1938	1938	1938	1938	1938	1938	1938	1937
VDUCT	2618	2408	2308	2204	2093	1977	1847	1478
AJCDE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.21
AJCDO	8.77	7.78	7.34	6.91	6.47	6.02	5.54	4.07

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ALT         75000    WASIZE      640     PT2/PT2P  0.904    WBL3          0.
MN           2.20    FAN         0.5     PT2          5.0   WBL4          0.
[illegible] KTS 1273 TAN         395     TT2          779   HPEXT         0.

CRUISE   MAX D/H                                            MIN D/H NOT LIT

FNT          9702     8360     7744     7107     6449     5761     4492     2402
FGT         18476    17154    16538    15931    15241    14555    13286    11196
WAT           132      132      132      132      132      132      132      132
WFT         19687    15249    13469    11790    10272     8817     6481     3338
TSFC        2.029    1.824    1.739    1.659    1.593    1.531    1.443    1.389
BPR          2.04     2.04     2.04     2.04     2.04     2.04     2.04     2.02
WAT2          478      478      478      478      478      478      478      478

N1           5302     5302     5302     5302     5302     5302     5302     5342
N2           7836     7836     7836     7836     7836     7836     7836     7902
PT30          7.6      7.6      7.6      7.6      7.6      7.6      7.6      7.9
PT6          27.1     27.1     27.1     27.1     27.1     27.1     27.1     28.2
[illegible]   907      907      907      907      907      907      907      915
TT4          1317     1317     1317     1317     1317     1317     1317     1332

PT9           4.8      4.8      4.8      4.8      4.8      4.8      4.8      5.0
PTD           6.2      6.4      6.5      6.6      6.6      6.7      6.8      7.3
TT9          1931     1931     1931     1931     1931     1931     1931     1930
TTD          3560     3000     2750     2500     2250     2000     1570      915
[illegible] 0.0384   0.0369   0.0358   0.0345   0.0332   0.0319   0.0295   0.0256
[illegible]  1942     1942     1942     1942     1942     1942     1942     1942
VDUCT        2615     2408     2308     2203     2091     1977     1758     1351
AJCOE        5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCOD       12.35    10.80    10.12     9.46     8.81     8.17     7.05     4.79
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ALT         75000    WASIZE      640     PT2/PT2P  0.910    WBL3          0.
MN           2.50    FAN         0.5     PT2          7.6   WBL4          0.
[illegible] KTS 1443 TAN         395     TT2          886   HPEXT         0.

CRUISE   MAX D/H                                            MIN D/H NOT LIT

FNT         12388    10489     9619     8719     7776     6835     5496     2685
FGT         25144    23476    22625    21729    20807    19846    18505    15676
WAT           172      172      172      172      172      172      172      172
WFT         24586    18829    16534    14341    12371    10487     8189     4000
TSFC        1.985    1.795    1.718    1.645    1.587    1.534    1.490    1.490
BPR          2.06     2.06     2.06     2.06     2.06     2.06     2.06     2.05
WAT2          432      432      432      432      432      432      432      432

N1           5285     5285     5285     5285     5285     5285     5285     5326
N2           7937     7937     7937     7937     7937     7937     7937     7974
PT30         11.3     11.3     11.3     11.3     11.3     11.3     11.3     11.6
PT6          35.3     35.3     35.3     35.3     35.3     35.3     35.3     36.6
[illegible]  1017     1017     1017     1017     1017     1017     1017     1023
TT4          1418     1418     1418     1418     1418     1418     1418     1433

PT9           6.3      6.3      6.3      6.3      6.3      6.3      6.3      6.5
PTD           9.7      9.9     10.0     10.1     10.1     10.2     10.3     10.8
TT9          1928     1928     1928     1928     1928     1928     1928     1927
TTD          3560     3000     2750     2500     2250     2000     1670     1023
[illegible] 0.0370   0.0346   0.0335   0.0323   0.0311   0.0299   0.0281   0.0244
[illegible]  1941     1941     1941     1941     1941     1941     1941     1941
VDUCT        2618     2408     2308     2203     2093     1977     1811     1427
AJCOE        5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCOD       10.28     9.07     8.54     8.02     7.49     6.96     6.24     4.48
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ALT         75000    WASIZE      640     PT2/PT2P  0.846    WBL3          0.
MN           2.70    FAN         0.5     PT2         10.1   WBL4          0.
[illegible] KTS 1550 TAN         395     TT2          966   HPEXT         0.

CRUISE   MAX D/H                                            MIN D/H NOT LIT

FNT         14369    11970    10890     9788     8693     7473     6200     2849
FGT         31019    29060    27580    26478    25343    24165    22889    19538
WAT           204      204      204      204      204      204      204      204
WFT         28336    21419    18652    16155    13883    11597     9403     4486
TSFC        1.978    1.789    1.713    1.650    1.597    1.552    1.517    1.575
BPR          2.06     2.06     2.06     2.06     2.06     2.06     2.06     2.05
WAT2          404      404      404      404      404      404      404      404

N1           5246     5246     5246     5246     5246     5246     5246     5289
N2           8048     8048     8048     8048     8048     8048     8048     8081
PT30         14.5     14.5     14.5     14.5     14.5     14.5     14.5     14.9
PT6          42.1     42.1     42.1     42.1     42.1     42.1     42.1     43.6
[illegible]  1097     1097     1097     1097     1097     1097     1097     1104
TT4          1491     1491     1491     1491     1491     1491     1491     1506

PT9           7.4      7.4      7.4      7.4      7.4      7.4      7.4      7.7
PTD          12.8     13.2     13.1     13.2     13.2     13.3     13.4     14.0
TT9          1926     1926     1926     1926     1926     1926     1926     1925
TTD          3560     3000     2750     2500     2250     2000     1743     1104
[illegible] 0.0354   0.0331   0.0321   0.0309   0.0298   0.0286   0.0273   0.0238
[illegible]  1940     1940     1940     1940     1940     1940     1940     1940
VDUCT        2618     2408     2308     2204     2093     1977     1849     1481
AJCOE        5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.21
AJCOD        9.26     8.20     7.73     7.27     6.81     6.34     5.83     4.29
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ALT	55000	WASIZE	640	PT2/PT2P	0.904	WBL3	0.
M0	2.20	PAN	1.3	PT2	17.9	WBL4	0.
VA KTS	1262	TAM	390	TT2	767	HPEXT	0.

CRUISE	MAX D/H						MIN D/H NOT LIT	
FNT	29459	22013	20436	18813	17141	15397	12271	6999
FGT	47792	46350	42773	41149	39478	37734	34608	29336
WAT	337	337	337	337	337	337	337	337
WFT	49225	38356	33968	29848	26121	22551	16946	9223
TSFC	1.934	1.742	1.662	1.587	1.524	1.465	1.381	1.318
BPR	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.80
WAT2	468	468	468	468	468	468	468	468
N1	5298	5298	5298	5298	5298	5298	5298	5334
N2	8006	8006	8006	8006	8006	8006	8006	8056
PT3D	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.7
PT4	75.0	75.0	75.0	75.0	75.0	75.0	75.0	77.7
TT3D	918	918	918	918	918	918	918	929
TT4	1314	1314	1314	1314	1314	1314	1314	1324
PT9	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.9
PT8	19.2	19.6	19.7	19.9	20.0	20.2	20.4	21.4
TT9	1920	1920	1920	1920	1920	1920	1920	1920
TT8	3560	3000	2750	2500	2250	2000	1580	929
WAS/WAP	0.0394	0.0369	0.0358	0.0346	0.0334	0.0321	0.0298	0.0259
VENG	1937	1937	1937	1937	1937	1937	1937	1937
VDUCT	2614	2408	2308	2203	2093	1977	1763	1358
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.20
AJCDO	9.79	8.66	8.15	7.65	7.15	6.65	5.77	4.03

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ALT	55000	WASIZE	640	PT2/PT2P	0.870	WBL3	0.
M0	2.50	PAN	1.3	PT2	19.0	WBL4	0.
VA KTS	1434	TAM	390	TT2	879	HPEXT	0.

CRUISE	MAX D/H						MIN D/H NOT LIT	
FNT	29915	25473	23494	21358	19221	16999	14080	7729
FGT	60858	56457	54413	52131	50195	47973	45054	38703
WAT	412	412	412	412	412	412	412	412
WFT	56960	43980	38747	33860	29414	25169	20177	10904
TSFC	1.904	1.727	1.654	1.585	1.530	1.481	1.430	1.411
BPR	1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.69
WAT2	397	397	397	397	397	397	397	397
N1	5188	5188	5188	5188	5188	5188	5188	[illegible]
N2	8019	8019	8019	8019	8019	8019	8019	[illegible]
PT3D	32.8	32.8	32.8	32.8	32.8	32.8	32.8	33.6
PT4	95.0	95.0	95.0	95.0	95.0	95.0	95.0	99.0
TT3D	1036	1036	1036	1036	1036	1036	1036	1045
TT4	1408	1408	1408	1408	1408	1408	1408	1424
PT9	[illegible]	[illegible]	[illegible]	16.9	16.9	16.9	16.9	17.5
PT8	30.0	30.4	30.5	30.7	30.8	[illegible]	[illegible]	[illegible]
TT9	1920	1920	1920	1920	1920	1920	1920	1919
TT8	3560	3000	2750	2500	2250	2000	1588	1045
WAS/WAP	0.0368	0.0345	0.0334	0.0323	0.0312	0.0300	0.0293	0.0230
VENG	1937	1937	1937	1937	1937	1937	1937	1936
VDUCT	2618	2409	2308	2204	2093	1977	1820	1447
AJCDE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20
AJCDO	7.49	6.67	6.31	5.94	5.5	5.19	4.70	3.40

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ALT	55000	WASIZE	640	PT2/PT2P	0.846	WBL3	0.
M0	2.75	PAN	1.3	PT2	26.3	WBL4	0.
VA KTS	1548	TAM	390	TT2	954	HPEXT	0.

CRUISE	MAX D/H						MIN D/H NOT LIT	
FNT	32482	27366	25032	22657	20218	17680	15260	8232
FGT	70374	65258	62924	60550	58108	55573	53152	46124
WAT	466	466	466	466	466	466	466	466
WFT	61550	47077	41279	36048	[illegible]	26505	22409	12179
TSFC	1.895	1.720	1.649	1.591	1.542	1.499	1.469	1.480
BPR	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.58
WAT2	354	354	354	354	354	354	354	354
N1	5166	5166	5166	5166	5166	5166	5166	5234
N2	8106	8106	8106	8106	8106	8106	8106	8143
PT3D	43.0	43.0	43.0	43.0	43.0	43.0	43.0	45.9
PT4	113.0	113.0	113.0	113.0	113.0	113.0	113.0	117.4
TT3D	1128	1128	1128	1128	1128	1128	1128	1136
TT4	1481	1481	1481	1481	1481	1481	1481	1497
PT9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	20.7
PT8	40.4	40.7	40.8	40.9	41.0	41.1	41.3	42.5
TT9	1918	1918	1918	1918	1918	1918	1918	1917
TT8	3560	3000	2750	2500	2250	2000	1771	1136
WAS/WAP	0.0350	0.0329	0.0319	0.0309	0.0298	0.0287	0.0277	0.0244
VENG	1936	1936	1936	1936	1936	1936	1936	1936
VDUCT	2618	2408	2308	2204	2094	1977	1864	1502
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.20
AJCDO	6.14	5.49	5.20	4.91	4.61	4.30	4.01	2.98

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ALT	65000	WASIZE	640	PT2/PT2P	0.904	WBL3	0.
M0	2.20	PAN	0.8	PT2	8.0	WBL4	0.
VA KTS	1262	TAM	390	TT2	767	HPEXT	0.

CRUISE	MAX D/H						MIN D/H NOT LIT	
FNT	15733	13594	12613	11603	10563	9474	7500	4207
FGT	29546	27444	26464	25454	24414	23327	21351	18058
WAT	209	209	209	209	209	209	209	209
WFT	30759	23925	21184	18598	16240	14019	10456	5615
TSFC	1.955	1.760	1.679	1.604	1.539	1.479	1.394	1.335
BPR	1.87	1.87	1.87	1.87	1.87	1.87	1.87	1.86
WAT2	468	468	468	468	468	468	468	468
N1	5277	5277	5277	5277	5277	5277	5277	5311
N2	7936	7936	7936	7936	7936	7936	7936	7991
PT3D	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.7
PT4	45.5	45.5	45.5	45.5	45.5	45.5	45.5	47.2
TT3D	912	912	912	912	912	912	912	919
TT4	1310	1310	1310	1310	1310	1310	1310	1324
PT9	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.4
PT8	11.4	11.7	11.8	11.9	12.0	12.1	12.2	12.9
TT9	1926	1926	1926	1926	1926	1926	1926	1925
TT8	3560	3000	2750	2500	2250	2000	1575	919
WAS/WAP	0.0393	0.0370	0.0358	0.0346	0.0334	0.0321	0.0298	0.0258
VENG	1940	1940	1940	1940	1940	1940	1940	1940
VDUCT	2618	2409	2308	2203	2093	1977	1760	1354
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
AJCDO	10.32	9.11	8.57	8.04	7.51	6.97	6.03	4.19

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ALT	65000	WASIZE	640	PT2/PT2P	0.870	WBL3	0.
M0	2.50	PAN	0.8	PT2	12.3	WBL4	0.
VA KTS	1434	TAM	390	TT2	879	HPEXT	0.

CRUISE	MAX D/H						MIN D/H NOT LIT	
FNT	18564	15794	14529	13225	11890	10502	8647	4658
FGT	37773	35001	33731	32432	31097	29709	27854	23865
WAT	255	255	255	255	255	255	255	255
WFT	35577	27440	25173	21097	18311	15644	12444	6647
TSFC	1.916	1.737	1.664	1.595	1.540	1.490	1.439	1.427
BPR	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.75
WAT2	397	397	397	397	397	397	397	397
N1	5154	5154	5154	5154	5154	5154	5154	5208
N2	7971	7971	7971	7971	7971	7971	7971	8023
PT3D	19.9	19.9	19.9	19.9	19.9	19.9	19.9	20.4
PT4	57.8	57.8	57.8	57.8	57.8	57.8	57.8	60.1
TT3D	1031	1031	1031	1031	1031	1031	1031	1039
TT4	1404	1404	1404	1404	1404	1404	1404	1419
PT9	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.7
PT8	18.1	18.4	18.5	18.6	18.6	18.7	18.8	19.6
TT9	1925	1925	1925	1925	1925	1925	1925	1924
TT8	3560	3000	2750	2500	2250	2000	1683	1039
WAS/WAP	0.0369	0.0346	0.0335	0.0324	0.0312	0.0300	0.0285	0.0249
VENG	1940	1940	1940	1940	1940	1940	1940	1939
VDUCT	2618	2408	2308	2204	2091	1977	1818	1438
AJCDE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20
AJCDO	7.77	6.91	6.53	6.15	5.77	5.37	4.86	3.51

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ALT	65000	WASIZE	640	PT2/PT2P	0.846	WBL3	0.
M0	2.75	PAN	0.8	PT2	16.3	WBL4	0.
VA KTS	1548	TAM	390	TT2	954	HPEXT	0.

CRUISE	MAX D/H						MIN D/H NOT LIT	
FNT	20192	16997	15537	14093	12526	10940	9388	4975
FGT	43692	40494	39034	37550	36023	34437	32885	28472
WAT	289	289	289	289	289	289	289	289
WFT	38449	29398	25754	22473	19410	16487	13858	7437
TSFC	1.905	1.729	1.658	1.599	1.550	1.507	1.476	1.495
BPR	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.63
WAT2	354	354	354	354	354	354	354	354
N1	5117	5117	5117	5117	5117	5117	5117	5183
N2	8068	8068	8068	8068	8068	8068	8068	8104
PT3D	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.7
PT4	68.7	68.7	68.7	68.7	68.7	68.7	68.7	71.4
TT3D	1122	1122	1122	1122	1122	1122	1122	1130
TT4	1476	1476	1476	1476	1476	1476	1476	1492
PT9	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.6
PT8	24.5	24.7	24.8	24.8	24.9	25.0	25.1	25.9
TT9	1923	1923	1923	1923	1923	1923	1923	1922
TT8	3560	3000	2750	2500	2250	2000	1746	1130
WAS/WAP	0.0352	0.0330	0.0320	0.0309	0.0298	0.0288	0.0277	0.0245
VENG	1939	1939	1939	1939	1939	1939	1939	1938
VDUCT	2618	2408	2308	2204	2094	1977	1861	1498
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.20
AJCDO	6.38	5.67	5.37	5.07	4.78	4.44	4.13	3.07

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ALT	75000	WASIZE	640	PT2/PT2P	0.904	WBL3	0.
MO	2.20	FAN	0.5	PT2	5.0	WBL4	0.
VA KTS	1270	TAM	395	TT2	776	HPEXT	0.

CRUISE	MAX O/H						MIN O/H NOT LIT
FNT	9569	8745	7639	7012	6384	5689	4455	2407
FGT	18196	16861	16256	15677	14583	14307	13372	11025
WAT	129	129	129	129	129	129	129	129
WFT	19213	14895	13164	11535	10053	8638	6651	3323
TSFC	2.008	1.703	1.723	1.645	1.575	1.518	1.492	1.380
RPA	2.00	2.00	2.00	2.00	2.00	2.00	2.00	1.97
WAT2	468	468	468	468	468	468	468	468
N1	5265	5265	5265	5265	5265	5265	5265	5301
N2	7835	7835	7835	7835	7835	7835	7835	7403
PT3D	7.8	7.8	7.8	7.8	7.9	7.8	7.8	8.1
PT4	26.9	26.9	26.9	26.9	26.9	26.9	26.9	28.0
TT3D	911	911	911	911	911	911	911	919
TT4	1315	1315	1315	1315	1315	1315	1315	1330
PT9	4.8	4.8	4.8	4.8	4.8	4.8	4.8	5.0
PTD	6.5	6.7	6.8	6.8	6.9	7.0	7.0	7.5
TT9	1932	1932	1932	1932	1932	1932	1932	1931
TTD	3560	3000	2750	2500	2250	2000	1574	919
WAS/WAP	0.0394	0.0369	0.0357	0.0345	0.0332	0.0319	0.0295	0.0255
VENG	1943	1943	1943	1943	1943	1943	1943	1942
VDUCT	2618	2408	2308	2203	2093	1977	1759	1353
AJCOE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.21
AJCDO	11.44	10.06	9.44	8.84	8.24	7.65	6.60	4.54

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ALT	75000	WASIZE	640	PT2/PT2P	0.870	WBL3	0.
MO	2.50	FAN	0.5	PT2	7.6	WBL4	0.
VA KTS	1443	TAM	395	TT2	886	HPEXT	0.

CRUISE	MAX O/H						MIN O/H NOT LIT
FNT	11390	9660	8866	8054	7219	6350	5194	2684
FGT	23540	21610	20617	20006	19169	18301	17165	14634
WAT	158	158	158	158	158	158	158	158
WFT	22168	17043	14985	13048	11293	9617	7604	3940
TSFC	1.946	1.764	1.690	1.620	1.564	1.514	1.464	1.468
RPA	1.87	1.87	1.87	1.87	1.87	1.87	1.87	1.86
WAT2	397	397	397	397	397	397	397	397
N1	5128	5128	5128	5128	5128	5128	5128	5171
N2	7926	7926	7926	7926	7926	7926	7926	7965
PT3D	11.9	11.9	11.9	11.9	11.9	11.9	11.9	12.2
PT4	34.5	34.5	34.5	34.5	34.5	34.5	34.5	35.8
TT3D	1033	1033	1033	1033	1033	1033	1033	1040
TT4	1410	1410	1410	1410	1410	1410	1410	1425
PT9	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.4
PTD	10.7	10.9	11.0	11.0	11.1	11.1	11.2	11.6
TT9	1931	1931	1931	1931	1931	1931	1931	1930
TTD	3560	3000	2750	2500	2250	2000	1684	1040
WAS/WAP	0.0368	0.0344	0.0334	0.0322	0.0311	0.0299	0.0283	0.0247
VENG	1942	1942	1942	1942	1942	1942	1942	1942
VDUCT	2618	2408	2308	2204	2093	1977	1818	1434
AJCOE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.21
AJCDO	8.26	7.34	6.93	6.53	6.12	5.70	5.14	3.73

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ALT	75000	WASIZE	640	PT2/PT2P	0.846	WBL3	0.
MO	2.70	FAN	0.5	PT2	10.1	WBL4	0.
VA KTS	1558	TAM	395	TT2	966	HPEXT	0.

CRUISE	MAX O/H						MIN O/H NOT LIT
FNT	12425	10419	9501	8571	7612	6616	5648	2872
FGT	27045	25039	24123	23141	22232	21216	20268	17492
WAT	179	179	179	179	179	179	179	179
WFT	23998	18267	15973	13902	11968	10124	8474	4415
TSFC	1.931	1.753	1.681	1.622	1.572	1.530	1.500	1.537
RPA	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.73
WAT2	334	334	334	334	334	334	334	334
N1	5030	5030	5030	5030	5030	5030	5030	5116
N2	8032	8032	8032	8032	8032	8032	8032	8066
PT3D	15.7	15.7	15.7	15.7	15.7	15.7	15.7	16.0
PT4	41.0	41.0	41.0	41.0	41.0	41.0	41.0	42.6
TT3D	1124	1124	1124	1124	1124	1124	1124	1132
TT4	1481	1481	1481	1481	1481	1481	1481	1497
PT9	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.5
PTD	14.8	14.7	14.8	14.8	14.9	14.9	15.0	15.5
TT9	1930	1930	1930	1930	1930	1930	1930	1929
TTD	3550	3000	2750	2500	2250	2000	1767	1132
WAS/WAP	0.0351	0.0329	0.0319	0.0308	0.0297	0.0286	0.0275	0.0243
VENG	1942	1942	1942	1942	1942	1942	1942	1941
VDUCT	2618	2408	2308	2204	2094	1977	1862	1499
AJCOE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.20
AJCDO	6.73	6.01	5.69	5.36	5.04	4.70	4.37	3.25

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ALT        55000    WASIZE       640   PT2/PT2P  C.934    WBL3        0.
MO          2.20    PAN          1.3   PT2        12.3    WBL4        C.
VA KTS      1264    TAN          410   TT2         805    HPEXT       C.

CRUISE   MAX O/H                                          MIN O/H ACT LIT

FNT      24145    20766    19202    17594    15936    14203    11270     7080
FGT      45777    43182    41819    40212    38594    36820    33867    28697
WAT        333      333      333      333      333      333      333      333
WFT      49650    37628    33207    29039    25263    21649    16766     9426
TSFC     2.034    1.812    1.729    1.649    1.585    1.524    1.463    1.386
BPR       1.96     1.96     1.96     1.96     1.96     1.96     1.96     1.94
WAT2       474      474      474      474      474      474      474      474

N1        5377     5377     5377     5377     5377     5377     5377     5410
N2        7983     7983     7983     7983     7983     7983     7983     8046
PT30      20.3     20.1     20.3     20.3     20.3     20.3     20.3     21.0
PT4       70.5     70.5     70.5     70.5     70.5     70.5     70.5     72.2
TT30 [illegible]   963      963      963 [illegible]   963      963 [illegible]
TT4  [illegible]  1353     1353     1353 [illegible]  1353     1353     1367

PT9       12.5     12.5     12.5     12.5     12.5     12.5     12.5     13.0
PTD       17.1     17.5     17.7     17.9     18.0     18.2     18.4     19.5
TT9       1920     1920     1920     1920     1920     1920     1920     1919
TTD       3560     3000     2750     2500     2250     2000     1603      551
WAS/WAP C.0386   0.0362   0.0350   0.0338   0.0326   0.0313   0.0301   C.0252
VENG      1937     1937     1937     1937     1937     1937     1937     1917
VDUCT     2618     2408     2308     2201     2093     1977     1775     1176
AJCDE     5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDD    11.15     9.80     9.22     8.63     8.06     7.48     6.53     4.55

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ALT        55000    WASIZE       640   PT2/PT2P  0.870    WBL3        0.
MO          2.50    PAN          1.3   PT2        19.8    WBL4        0.
VA KTS      1470    TAN          410   TT2         914    HPEXT       0.

CRUISE   MAX O/H                                          MIN O/H NOT LIT

FNT      29180    24805    22697    20554    18344    16064    13254     6656
FGT      61557    56902    54875    52732    50522    48222    45431    38833
WAT        417      417      417      417      417      417      417      417
WFT      57942    44336    38705    33721    29061    24621    19717     9933
TSFC     1.972    1.787    1.705    1.641    1.584    1.534    1.488    1.492
BPR       1.91     1.91     1.91     1.91     1.91     1.91     1.91     1.90
WAT2       412      412      412      412      412      412      412      412

N1        5281     5281     5281     5281     5281     5281     5281     5318
N2        8060     8060     8060     8060     8060     8060     8060     8097
PT30      30.5     30.5     30.5     30.5     30.5 [illegible]  30.5     31.1
PT4       90.2     90.2     90.2     90.2     90.2     90.2     90.2 [illegible]
TT30      1063     1063     1063     1063     1063     1069     1063     1069
TT4       1453     1453     1453     1453     1453     1453     1453     1468

PT9       15.9     15.9     15.9     15.9     15.9     15.9     15.9     16.5
PTD       27.1     27.5     27.7     27.9     28.0     28.2     28.4     29.5
TT9       1918     1919     1918     1918     1918     1918     1918     1918
TTD       3560     3000     2750     2500     2250     2000     1711     1069
WAS/WAP 0.0361   0.0348   0.0328   0.0316   0.0305   0.0293   C.0279   0.0244
VENG      1936     1936     1936     1936     1936     1936     1936     1936
VDUCT     2618     2408     2308     2204     2093     1977     1833     1458
AJCDE     5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDD     8.70     7.72     7.29     6.85     6.42     5.98     5.44     3.98

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ALT        55000    WASIZE       640   PT2/PT2P  0.846    WBL3        0.
MO          2.70    PAN          1.3   PT2        26.3    WBL4        C.
VA KTS      1588    TAN          410   TT2        1001    HPEXT       0.

CRUISE   MAX O/H                                          MIN O/H NOT LIT

FNT      33451    27950    25289    22602    19999    17210    14744     6976
FGT      74354    68755    66192    63585    60901    58113    55646    47879
WAT        491      491      491      491      491      491      491      491
WFT      65930    49786    43315    37474    32025    26825    22577    11053
TSFC     1.971    1.788    1.713    1.652    1.601    1.559    1.531    1.584
BPR       1.90     1.90     1.90     1.90     1.90     1.90     1.90     1.89
WAT2       382      382      382      382      382      382      382      382

N1        5209     5209     5209     5209     5209     5209     5209     5253
N2        8164     8164     8164     8164     8164     8164     8164     8198
PT30      39.2     39.2     39.2     39.2     39.2     39.2     39.2     39.9
PT4      107.0    107.0    107.0    107.0    107.0    1C7.0    1C7.0    110.8
TT30      1147     1147     1147     1147     1147     1147     1147     1154
TT4       1527     1527     1527     1527     1527     1527     1527     1542

PT9       18.8     18.8     18.8     18.8     18.8     18.8     18.8     19.4
PTD       35.5     36.0     36.2     36.3     36.5     36.6     36.8     38.9
TT9       1917     1917     1917     1917     1917     1917     1917     1917
TTD       3560     3000     2750     2500     2250     2000     1788     1154
WAS/WAP 0.0346   0.0324   0.0314   0.0303   0.0292   0.0281   C.0271   0.0238
VENG      1936     1936     1936     1936     1936     1936     1936     1936
VDUCT     2618     2408     2308     2204     2094     1977     1872     1513
AJCDE     5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDD     7.78     6.93     6.55     6.17     5.79     5.40     5.05     3.77

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ALT        65000    WASIZE       640   PT2/PT2P  0.904    WBL3        0.
MO           2.2    PAN          0.8   PT2         8.0    WBL4        0.
VA KTS      1264    TAN          410   TT2         805    HPEXT       0.

CRUISE   MAX O/H                                          MIN O/H NOT LIT

FNT  [illegible]  12783    11816    10915     9789     8712     6663     3632
FGT  [illegible]  26808    25841    24844    23816    22737    20985    17657
WAT        207      207      207      207      207      207      207      207
WFT  [illegible]  21482    20709    18094    15726    13459    10037     5124
TSFC     2.063    1.837    1.751    1.672    1.606    1.545    1.463    1.411
BPR       2.03     2.03     2.03     2.03     2.03     2.03     2.03     2.01
WAT2       474      474      474      474      474      474      474      474

N1        5352     5352     5352     5352     5352     5352     5352     5372
N2        7914     7914     7914     7914     7914     7914     7914     7977
PT30      12.2     12.2     12.2     12.2     12.2     12.2     12.2     12.6
PT4       42.7     42.7     42.7     42.7     42.7     42.7     42.7     44.4
TT30       938      938      938      938      938      938      938 [illegible]
TT4       1349     1349     1349     1349     1349     1349     1349 [illegible]

PT9        7.6      7.6      7.6      7.6      7.6      7.6      7.6      7.7
PTD       10.1     10.3     10.5     10.6     10.7     10.8     10.9     11.7
TT9       1925     1925     1925     1925     1925     1925     1925     1924
TTD       3560     3000     2750     2500     2250     2000     1598      945
WAS/WAP C.0387   0.0362   C.0351   0.0335   C.0326   0.0313   C.0291   C.0251
VENG      1940     1940     1940     1940     1940     1940     1940     1937
VDUCT     2618     2408     2308     2204     2093     1977     1772     1372
AJCDE     5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDD    11.97    10.41     9.77     9.14     8.53     7.91     6.88     4.75

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ALT        65000    WASIZE       640   PT2/PT2P  0.870    WBL3        0.
MO          2.50    PAN          0.8   PT2        12.3    WBL4        0.
VA KTS      1470    TAN          410   TT2         914    HPEXT       0.

CRUISE   MAX O/H                                          MIN O/H NOT LIT

FNT      18211    15363    14051    12715    11338     9904     8136     4015
FGT      38165    35316    34004    32669    31291    29858    28089    23966
WAT        259      259      259      259      259      259      259      259
WFT      36164    27647    24123    21004    18087    15302    12191     6070
TSFC     1.986    1.800    1.717    1.652    1.595    1.545    1.498    1.512
BPR       1.96     1.96     1.96     1.96     1.96     1.96     1.96     1.95
WAT2       412      412      412      412      412      412      412      412

N1        5260     5260     5260     5260     5260     5260     5260     5299
N2        8016     8016     8016     8016     8016     8016     8016     8055
PT30      18.5     18.5     18.5     18.5     18.5     18.5     18.5     19.0
PT4       54.9     54.9     54.9     54.9     54.9     54.9     54.9     56.9
TT30      1058     1058     1058     1058     1058     1058     1058     1064
TT4       1449     1449     1449     1449     1449     1449     1449     1464

PT9        9.7      9.7      9.7      9.7      9.7      9.7      9.7     10.0
PTD       16.4     16.6     16.8     16.9     17.0     17.0     17.2     17.9
TT9       1924     1924     1924     1924     1924     1924     1924     1923
TTD       3560     3000     2750     2500     2250     2000     1707     1065
WAS/WAP 0.0362   0.0339   0.0328   0.0317   0.0305   0.0293   C.0278   0.0243
VENG      1939     1939     1939     1939     1939     1939     1939     1938
VDUCT     2618     2408     2308     2204     2093     1977     1830     1459
AJCDE     5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.21
AJCDD     9.02     8.00     7.56     7.10     6.64     6.18     5.62     4.09

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ALT        65000    WAS'ZE       640   PT2/PT2P  0.846    WBL3        0.
MO          2.70    PAN          0.8   PT2        16.3    WBL4        0.
VA KTS      1588    TAN          410   TT2        1001    HPEXT       0.

CRUISE   MAX O/H                                          MIN O/H NOT LIT

FNT      20764    17273    15677    14051    12378    10639     9069     4216
FGT      46127    42637    41040    39415    37741    36002    34432    29580
WAT        305      305      305      305      305      305      3C5      305
WFT      41140    31040    26993    23340    19931    16679    13970     6766
TSFC     1.981    1.797    1.722    1.661    1.610    1.568    1.540    1.604
BPR       1.95     1.95     1.95     1.95     1.95     1.95     1.95     1.94
WAT2       382      382      382      382      382      382      382      382

N1        5181     5181     5181     5181     5181     5181     5181     5228
N2        8127     8127     8127     8127     8127     8127     8127     8160
PT30      23.9     23.9     23.9     23.9     23.9     23.9     23.9     24.4
PT4       65.2     65.2     65.2     65.2     65.2     65.2     65.2     67.6
TT30      1143     1143     1143     1143     1143     1143     1143     1149
TT4       1523     1523     1523     1523     1523     1523     1523     1538

PT9       11.5     11.5     11.5     11.5     11.5     11.5     11.5     11.9
PTD       21.6     21.8     22.0     22.1     22.2     22.3     22.3     23.2
TT9       1923     1923     1923     1923     1923     1923     1923     1921
TTD       3560     3000     2750     2500     2250     2000     1784     1149
WAS/WAP 0.0346   0.0324   0.0314   0.0303   0.0292   0.0281   C.0270   0.0237
VENG      1939     1939     1939     1939     1939     1939     1939     1938
VDUCT     2618     2408     2309     2204     2094     1977     1870     1510
AJCDE     5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDD     8.03     7.14     6.75     6.36     5.96     5.55     5.19     3.87

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ALT       75000   WASIZE      640   PT2/PT2P  0.924   WBL3      0.
MO         2.20   PAM         0.5   PT2         5.0   WBL4      0.
VA KTS     1302   TAM         415   TT2         815   HPEXT     0.

CRUISE   MAX D/H                                       MIN D/H NOT LIT

FNT        9000     7709     7112     6457     5861     5193     4022     2038
FGT       17726    16435    15838    15227    14586    13919    12748    10764
WAT         128      128      128      128      128      128      128      128
WFT       19253    14809    13021    11342     9823     8371     6140     3027
TSFC      2.140    1.921    1.831    1.756    1.676    1.612    1.527    1.485
BPR        2.17     2.17     2.17     2.17     2.17     2.17     2.17     2.15
WAT2        474      474      474      474      474      474      474      474

N1         5328     5328     5328     5328     5328     5328     5328     5269
N2         7826     7826     7826     7826     7826     7826     7826     7875
PT3D        7.1      7.1      7.1      7.1      7.1      7.1      7.1      7.3
PT4        25.2     25.2     25.2     25.2     25.2     25.2     25.2     26.2
TT3D        938      938      938      938      938      938      938      945
TT4   [illegible]

PT9         4.5      4.5      4.5      4.5      4.5      4.5      4.5      4.7
PTD         5.6      5.8      5.9      6.0      6.1      6.1      6.2      6.7
TT9        1931     1931     1931     1931     1931     1931     1931     1930
TTD        3560     3000     2750     2500     2250     2000     1790      965
WAS/WAP  0.0387   0.0361   0.0350   0.0337   0.0325   0.0312   0.0289   0.0248
VENG       1942     1942     1942     1942     1942     1942     1942     1942
VDUCT      2617     2408     2308     2204     2093     1977     1764 [illegible]
AJCDE      5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDO     13.43    11.70    10.96    10.22     9.51     8.80     7.61     5.23

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ALT       75000   WASIZE      640   PT2/PT2P  0.870   WBL3      0.
MO         2.50   PAM         0.5   PT2         7.6   WBL4      0.
VA KTS     1479   TAM         415   TT2         930   HPEXT     0.

CRUISE   MAX D/H                                       MIN D/H NOT LIT

FNT       11150     9378     8560     7728     6869     5974     4881     2306
FGT       23564    21792    20975    20143    19284    18389    17296    14721
WAT         160      160      160      160      160      160      160      160
WFT       22511    17159    14944    12984    11151     9401     7463     3610
TSFC      2.019    1.830    1.746    1.680    1.623    1.573    1.529    1.565
BPR        2.06     2.06     2.06     2.06     2.06     2.06     2.06     2.09
WAT2        412      412      412      412      412      412      412      412

N1         5238     5238     5238     5238     5238     5238     5238     5280
N2         7978     7978     7978     7978     7978     7978     7978     8011
PT3D       11.1     11.1     11.1     11.1     11.1     11.1     11.1     11.5
PT4        32.9     32.9     32.9     32.9     32.9     32.9     32.9     34.0
TT3D       1061     1061     1061     1061     1061     1061     1061     1067
TT4        1456     1456     1456     1456     1456     1456     1456     1470

PT9         5.8      5.8      5.8      5.8      5.8      5.8      5.8      6.0
PTD         9.7      9.8      9.9     10.0     10.1     10.1     10.2     10.6
TT9        1929     1929     1929     1929     1929     1929     1929     1928
TTD        3560     3000     2750     2500     2250     2000     1769     1047
WAS/WAP  0.0361   0.0338   0.0327   0.0316   0.0304   0.0292   0.0277   0.0241
VENG       1942     1942     1942     1942     1942     1942     1942     1941
VDUCT      2618     2408     2308     2204     2093     1977     1832     1457
AJCDE      5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDO      9.60     8.49     8.01     7.52     7.04     6.55     5.96     4.34

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ALT       75000   WASIZE      640   PT2/PT2P  0.846   WBL3      0.
MO         2.70   PAM         0.5   PT2        10.1   WBL4      0.
VA KTS     1597   TAM         415   TT2        1013   HPEXT     0.

CRUISE   MAX D/H                                       MIN D/H NOT LIT

FNT       12741    10564     9567     8952     7507     6421     5458     2425
FGT       28523    26346    25349    24334    23289    22202    21140    18207
WAT         188      188      188      188      188      188      188      188
WFT       25584    19245    16704    14410    12270    10229     8558     4029
TSFC      2.008    1.822    1.746    1.685    1.634    1.593    1.568    1.661
BPR        2.04     2.04     2.04     2.04     2.04     2.04     2.04     2.03
WAT2        382      382      382      382      382      382      382      382

N1         5157     5157     5157     5157     5157     5157     5157     5200
N2         8096     8096     8096     8096     8096     8096     8096     8124
PT3D       14.4     14.4     14.4     14.4     14.4     14.4     14.4     14.7
PT4        39.1     39.1     39.1     39.1     39.1     39.1     39.1     40.5
TT3D       1147     1147     1147     1147     1147     1147     1147     1153
TT4        1530     1530     1530     1530     1530     1530     1530     1545

PT9         6.9      6.9      6.9      6.9      6.9      6.9      6.9      7.1
PTD        12.9     13.1     13.1     13.2     13.3     13.3     13.4     13.9
TT9        1927     1927     1927     1927     1927     1927     1927     1927
TTD        3560     3000     2750     2500     2250     2000     1788     1153
WAS/WAP  0.0345   0.0323   0.0313   0.0302   0.0291   0.0279   0.0269   0.0236
VENG       1941     1941     1941     1941     1941     1941     1941     1941
VDUCT      2618     2408     2309     2204     2094     1977     1872     1513
AJCDE      5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDO      8.43     7.50     7.08     6.67     6.25     5.82     5.44     4.06

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ALT	55000	WASIZE	640	PT2/PT2P	0.904	WBL3	0.
MO	2.20	PAM	1.3	PT2	12.9	WBL4	0.
VA KTS	1294	TAM	410	TT2	805	HPEXT	0.

CRUISE MAX D/H MIN D/H NOT LIT

FNT	24299	20887	19319	17696	16025	14270	11310	6079
FGT	53251	43789	42117	40459	38827	37080	34112	28677
WAT	336	336	336	336	336	336	336	336
WFT	49131	37986	33516	29301	25483	21828	16363	8440
TSFC	2.022	1.819	1.735	1.656	1.590	1.529	1.447	1.389
BPR	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.96
WAT2	478	478	478	478	479	479	478	478
N1	5392	5392	5392	5392	5392	5392	5392	5427
N2	7983	7983	7983	7983	7983	7983	7983	8045
PT3D	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.9
PT4	70.6	70.6	70.6	70.6	70.6	70.6	70.6	73.4
TT3D	942	942	942	942	942	942	942	949
TT4	1354	1354	1354	1354	1354	1354	1354	1368
PT8	12.6	12.6	12.6	12.6	12.6	12.6	12.6	13.0
PTD	16.8	17.2	17.4	17.6	17.8	17.9	18.2	19.3
TT9	1920	1920	1920	1920	1920	1920	1920	1919
TTD	3560	3000	2750	2500	2250	2000	1602	949
WAS/WAP	0.0387	0.0362	0.0350	0.0338	[illegible]	0.0313	0.0291	0.0252
TENG	1944	1941	[illegible]	[illegible]	1937	[illegible]	[illegible]	[illegible]
VOUCT	2614	2408	2309	2203	2099	1977	1775	1375
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
AJCDD	11.47	10.07	9.46	8.86	8.27	7.67	6.69	4.65

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ALT	55000	WASIZE	640	PT2/PT2P	0.870	WBL3	0.
MO	2.50	PAM	1.3	PT2	19.8	WBL4	0.
VA KTS	1470	TAM	410	TT2	919	HPEXT	0.

CRUISE MAX D/H MIN D/H NOT LIT

FNT	30778	25960	23737	21474	19138	16705	13660	6646
FGT	64514	59700	57477	55213	52877	50444	47400	40185
WAT	437	437	437	437	437	437	437	437
WFT	61436	46905	40691	35570	30593	25842	20466	10015
TSFC	1.996	1.807	1.721	1.656	1.599	1.547	1.498	1.507
BPR	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.00
WAT2	432	432	432	432	432	432	432	432
N1	5367	5367	5367	5367	5367	5367	5367	5408
N2	8064	8064	8064	8064	8064	8064	8064	8102
PT3D	29.5	29.5	29.5	29.5	29.5	29.5	29.5	30.2
PT4	91.3	91.3	91.3	91.3	91.3	91.3	91.3	94.6
TT3D	1053	1053	1053	1053	1053	1053	1053	1060
TT4	1459	1458	1459	1458	1458	1459	1458	1472
PT8	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.7
PTD	25.9	26.0	26.2	26.4	26.6	26.8	27.0	28.3
TT9	1917	1917	1917	1917	1917	1917	1917	1916
TTD	3560	3000	2750	2500	2250	2000	1703	1060
WAS/WAP	0.0362	0.0339	0.0328	0.0317	0.0305	0.0293	0.0276	0.0249
TENG	[illegible]	[illegible]	[illegible]	[illegible]	1936	1936	1936	1935
VOUCT	2614	2408	2308	2204	2093	1977	1828	1452
AJCDE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.21
AJCDD	9.88	8.72	8.22	7.72	7.22	6.72	6.09	4.47

SEP 30, 1964

ALT	55000	WASIZE	640	PT2/PT2P	0.846	WBL3	0.
MO	2.70	PAM	1.3	PT2	26.3	WBL4	0.
VA KTS	1588	TAM	410	TT2	1001	HPEXT	0.

CRUISE MAX D/H MIN D/H NOT LIT

FNT	35490	29504	26764	23972	21096	19105	15329	6949
FGT	74776	72741	70050	67258	64387	61592	58616	50256
WAT	520	520	520	520	520	520	520	520
WFT	70726	53262	46265	39950	34058	28434	23625	11152
TSFC	1.993	1.805	1.729	1.667	1.614	1.570	1.541	1.605
BPR	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.02
WAT2	404	404	404	404	404	404	404	404
N1	5319	5319	5319	5319	5319	5319	5319	5362
N2	8171	8171	8171	8171	8171	8171	8171	8204
PT3D	37.8	37.8	37.8	37.8	37.8	37.8	37.8	38.6
PT4	108.5	108.5	108.5	108.5	108.5	108.5	108.5	112.3
TT3D	1136	1136	1136	1136	1136	1136	1136	1142
TT4	1532	1532	1532	1532	1532	1532	1532	1547
PT8	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.7
PTD	33.4	33.9	34.2	34.4	34.6	34.7	34.9	36.3
TT9	1916	1916	1916	1916	1916	1916	1914	1915
TTD	3560	3000	2750	2500	2250	2000	1778	1142
WAS/WAP	0.0347	0.0325	0.0314	0.0304	0.0292	0.0281	0.0270	0.0236
TENG	1935	1935	1935	1935	1935	1935	1935	1935
VOUCT	2614	2408	2309	2204	2094	1977	1867	1506
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.20
AJCDD	8.95	7.94	7.50	7.05	6.61	6.15	5.75	4.25

SEP 30, 1964

ALT	65000	WASIZE	640	PT2/PT2P	0.904	WBL3	0.
MO	2.20	PAM	0.6	PT2	6.0	WBL4	0.
VA KTS	1294	TAM	410	TT2	805	HPEXT	0.

CRUISE MAX D/H MIN D/H NOT LIT

FNT	14957	12848	11879	10872	9836	8791	6981	3625
FGT	29036	26387	26014	25011	23975	22891	21021	[illegible]
WAT	208	208	208	208	208	209	208	209
WFT	30697	23706	20902	18258	15864	13571	10103	5133
TSFC	2.052	1.845	1.760	1.679	1.613	1.551	1.468	1.416
BPR	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.02
WAT2	478	478	478	478	478	478	478	478
N1	5367	5367	5367	5367	5367	5367	5367	5408
N2	7914	7914	7914	7914	7914	7914	[illegible]	7976
PT3D	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.5
PT4	42.8	42.8	42.8	42.8	42.8	42.8	42.8	44.5
TT3D	936	936	936	936	936	936	936	944
TT4	1350	1350	1350	1350	1350	1350	1350	1364
PT8	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.9
PTD	9.9	10.1	10.3	10.4	10.5	10.6	10.8	11.5
TT9	1925	1925	1925	1925	1925	1925	1925	1924
TTD	3560	3000	2750	2500	2250	2000	1597	964
WAS/WAP	0.0387	0.0363	0.0351	0.0339	0.0326	0.0313	0.0291	0.0251
TENG	1942	1940	1940	1940	1940	1940	1940	1939
VOUCT	2618	2408	2308	2203	2093	1977	1772	1371
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
AJCDD	12.25	10.73	10.07	9.41	8.77	8.13	7.07	4.87

SEP 30, 1964

ALT	65000	WASIZE	640	PT2/PT2P	0.870	WBL3	0.
MO	2.50	PAM	0.6	PT2	12.3	WBL4	0.
VA KTS	1470	TAM	410	TT2	919	HPEXT	0.

CRUISE MAX D/H MIN D/H NOT LIT

FNT	19055	16061	14678	13270	11816	10302	8380	4000
FGT	39976	36982	35600	34192	32738	31223	29302	24922
WAT	271	271	271	271	271	271	271	271
WFT	38318	29232	25471	22145	19035	16061	12656	6119
TSFC	2.011	1.820	1.735	1.669	1.611	1.559	1.510	1.530
BPR	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.06
WAT2	432	432	432	432	432	432	432	432
N1	5344	5344	5344	5344	5344	5344	5344	5386
N2	8025	8025	8025	8025	8025	8025	8025	8059
PT3D	17.9	17.9	17.9	17.9	17.9	17.9	17.9	18.3
PT4	55.6	55.6	55.6	55.6	55.6	55.6	55.6	57.8
TT3D	1049	1049	1049	1049	1049	1049	1049	1055
TT4	1454	1454	1454	1454	1454	1454	1454	1469
PT8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	10.2
PTD	15.1	15.7	15.8	15.9	16.1	16.2	16.3	17.1
TT9	1922	1922	1922	1922	1922	1922	1922	1921
TTD	3560	3000	2750	2500	2250	2000	1699	1055
WAS/WAP	0.0363	0.0348	0.0329	0.0317	0.0305	0.0293	0.0278	0.0241
TENG	1938	1938	1938	1938	1938	1938	1938	1938
VOUCT	2618	2408	2308	2204	2093	1977	1826	1449
AJCDE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.21
AJCDD	10.26	9.05	8.52	8.00	7.48	6.95	6.29	4.35

SEP 30, 1964

ALT	65000	WASIZE	640	PT2/PT2P	0.846	WBL3	0.
MO	2.70	PAM	0.8	PT2	16.3	WBL4	0.
VA KTS	1588	TAM	410	TT2	1001	HPEXT	0.

CRUISE MAX D/H MIN D/H NOT LIT

FNT	22003	18280	16574	14836	13049	11183	9421	4196
FGT	48845	45122	43416	41678	39887	38025	36263	31038
WAT	322	322	322	322	322	322	322	322
WFT	44114	33198	28824	24878	21194	17679	14620	6829
TSFC	2.005	1.816	1.739	1.677	1.625	1.581	1.552	1.627
BPR	2.08	2.08	[illegible]	2.08	2.08	2.08	2.08	2.06
WAT2	404	404	[illegible]	404	404	404	404	404
N1	5294	5294	5294	5294	5294	5294	5294	5341
N2	8134	8134	8134	8134	8134	8134	8134	8168
PT3D	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.6
PT4	66.2	66.2	66.2	66.2	66.2	66.2	66.2	68.6
TT3D	1132	1132	1132	1132	1132	1132	1132	1138
TT4	1529	1529	1529	1529	1529	1529	1529	1544
PT8	11.7	11.7	11.7	11.7	11.7	11.7	11.7	12.0
PTD	20.2	20.5	20.7	20.8	20.9	21.0	21.1	22.1
TT9	1922	1922	1922	1922	1922	1922	1922	1920
TTD	3560	3000	2750	2500	2250	2000	1774	1138
WAS/WAP	0.0346	0.0325	0.0315	0.0304	0.0293	0.0281	0.0270	0.0236
TENG	1938	1938	1938	1938	1938	1938	1938	1937
VOUCT	2618	2408	2309	2204	2094	1977	1865	1505
AJCDE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.21
AJCDD	9.26	8.21	7.75	7.29	6.82	6.35	5.90	4.56

SEP 30, 1964

DOWNGRADED AT 3 YEAR INTERVALS;
DECLASSIFIED AFTER 12 YEARS.
DOD DIR 5200.10

ALT	75000	WASIZE	640	PT2/PT2P	0.904	WBL3	0.
MN	2.20	PAN	0.5	PT2	5.8	WBL4	0.
VA KTS	1302	TAN	415	TT2	815	HPEXT	0.

CRUISE MAX D/H MIN D/H NOT LIT

FNT	9030	7735	7136	6518	5878	5207	4017	2028
FGT	17327	16532	15933	15315	14675	14004	12814	10825
WAT	129	129	129	129	129	129	129	129
WFT	19548	15010	13192	11483	9944	8447	6179	3031
TSFC	2.165	1.961	1.849	1.762	1.692	1.624	1.538	1.494
BPR	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.16
WAT2	478	478	478	478	478	478	478	478
N1	5343	5343	5343	5343	5343	5343	5343	5384
N2	7827	7827	7827	7827	7827	7827	7827	7879
PT3D	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.3
PT4	25.3	25.3	25.3	25.3	25.3	25.3	25.3	26.3
TT3D	937	937	937	937	937	937	937	943
TT4	1354	1354	1354	1354	1354	1354	1354	1369
PT9	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.7
PTD	5.5	5.7	5.8	5.8	5.9	6.0	6.1	6.6
TT9	1931	1931	1931	1931	1931	1931	1931	1930
TTD	3560	3000	2750	2500	2250	2000	1586	963
WAS/WAP	0.0357	0.0362	0.0350	0.0338	0.0325	0.0312	0.0288	0.0248
VENG	1942	1942	1942	1942	1942	1942	1942	1942
VDUCT	[illegible]	[illegible]	2308	2204	2093	1977	1766	1371
AJCDE	5.21	5.21	5.21	[illegible]	[illegible]	5.21	5.21	5.21
AJCDO	11.96	12.14	11.35	10.59	9.84	9.10	7.84	5.98

SEP 30, 1964

ALT	75000	WASIZE	640	PT2/PT2P	0.870	WBL3	0.
MN	2.50	PAN	0.5	PT2	7.6	WBL4	0.
VA KTS	1479	TAN	415	TT2	930	HPEXT	0.

CRUISE MAX D/H MIN D/H NOT LIT

FNT	11637	9780	8922	8046	7142	6199	5014	2786
FGT	24655	22798	21937	21064	20155	19216	18031	15304
WAT	168	168	168	168	168	168	168	168
WFT	23850	18142	15780	13690	11735	9868	7750	3637
TSFC	2.049	1.855	1.769	1.701	1.643	1.592	1.546	1.591
BPR	2.18	2.18	2.18	2.18	2.18	2.18	2.18	2.17
WAT2	432	432	432	432	432	432	432	432
N1	5318	5318	5318	5318	5318	5318	5318	5362
N2	7984	7984	7984	7984	7984	7984	7984	8016
PT3D	10.7	10.7	10.7	10.7	10.7	10.7	10.7	11.0
PT4	33.2	33.2	33.2	33.2	33.2	33.2	33.2	34.4
TT3D	1053	1053	1053	1053	1053	1053	1053	1059
TT4	1460	1460	1460	1460	1460	1460	1460	1475
PT9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	6.1
PTD	9.0	9.2	9.3	9.4	9.5	9.5	9.6	10.1
TT9	1928	1928	1928	1928	1928	1928	1928	1927
TTD	3560	3000	2750	2500	2250	2000	1702	1059
WAS/WAP	0.0362	0.0338	0.0327	0.0315	0.0304	0.0292	0.0276	0.0239
VENG	1941	1941	1941	1941	1941	[illegible]	1941	1940
VDUCT	2618	2404	2308	2204	2093	1977	1828	1451
AJCDE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.21
AJCDO	11.02	9.65	9.11	8.55	7.98	7.41	6.71	4.65

SEP 30, 1964

ALT	75000	WASIZE	640	PT2/PT2P	0.846	WBL3	0.
MN	2.70	PAN	0.5	PT2	10.1	WBL4	0.
VA KTS	1597	TAN	415	TT2	1013	HPEXT	0.

CRUISE MAX D/H MIN D/H NOT LIT

FNT	13477	11160	10098	9015	7899	6738	5663	2403
FGT	30179	27862	26800	25717	24601	23440	22365	19105
WAT	199	199	199	199	199	199	199	199
WFT	27411	20568	17826	15352	13042	10859	8960	4068
TSFC	2.034	1.843	1.765	1.703	1.651	1.609	1.587	1.693
BPR	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.16
WAT2	404	404	404	404	404	404	404	404
N1	5277	5277	5277	5277	5277	5277	5277	5318
N2	8104	8104	8104	8104	8104	8104	8104	8131
PT3D	13.9	13.9	13.9	13.9	13.9	13.9	13.9	14.2
PT4	39.7	39.7	39.7	39.7	39.7	39.7	39.7	41.1
TT3D	1137	1137	1137	1137	1137	1137	1137	1143
TT4	1536	1536	1536	1536	1536	1536	1536	1551
PT9	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.2
PTD	12.0	12.2	12.3	12.4	12.5	12.6	12.6	13.2
TT9	1926	1926	1926	1926	1926	1926	1926	1925
TTD	3560	3000	2750	2500	2250	2000	1778	1143
WAS/WAP	0.0347	0.0324	0.0314	0.0303	0.0291	0.0279	0.0268	0.0236
VENG	1940	1940	1940	1940	1940	1940	1940	1940
VDUCT	2618	2438	2309	2204	2094	1977	1867	1536
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.20
AJCDO	9.76	8.65	8.14	7.64	7.16	6.66	6.20	4.80

SEP 30, 1964

ALT	55000	WASIZE	640	PT2/PT2P	0.904	WBL3	0.
MO	2.20	FAN	1.3	PT2	12.4	WBL4	0.
VA KTS	1294	TAM	410	TT2	909	HPEXT	0.

CRUISE	MAX D/H							MIN D/H NOT LIT
PNT	23925	20968	19023	17433	15794	14083	11207	6084
FGT	46269	42912	41367	39777	38134	36426	33546	20428
WAT	329	329	329	329	329	329	329	327
WFT	47937	37097	32749	28649	24936	21381	16113	8406
TSFC	2.004	1.804	1.722	1.643	1.579	1.518	1.436	1.382
BPR	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.91
WAT2	468	468	468	468	468	468	468	468
N1	5353	5353	5353	5353	5353	5353	5353	5387
N2	7983	7983	7983	7983	7983	7983	7983	8045
PT30	20.5	20.5	20.5	20.5	20.5	20.5	20.5	21.2
PT4	70.2	70.2	70.2	70.2	70.2	70.2	70.2	72.9
TT3D	945	945	945	945	945	945	945	955
TT4	1352	1352	1352	1352	1352	1352	1352	1366
PT9	12.5	12.5	12.5	12.5	12.5	12.5	12.5	13.0
PTD	17.5	17.5	18.1	18.2	18.4	18.5	18.7	19.8
TT9	1920	1920	1920	1920	1920	1920	1920	1920
TTD	3560	3000	2750	2500	2250	2000	1605	953
WAF/WAP	0.0386	0.0362	0.0350	0.0338	0.0326	0.0313	0.0292	0.0253
[illegible]	1937	1937	1937	1937	1937	1937	1937	1937
VDUCT	2618	2408	2309	[illegible]	2093	1977	1776	1378
AJCOE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
AJCDO	10.72	9.44	8.88	8.32	7.77	7.22	6.31	4.41

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ALT	55000	WASIZE	640	PT2/PT2P	0.970	WBL3	0.
MO	2.50	FAN	1.3	PT2	18.8	WBL4	0.
VA KTS	1470	TAM	410	TT2	919	HPEXT	0.

CRUISE	MAX D/H							MIN D/H NOT LIT
PNT	28256	23877	21962	19814	17704	15309	12911	6651
FGT	59244	[illegible]	52851	50805	48694	46621	43901	37662
WAT	402	402	402	402	402	402	402	402
WFT	55306	42397	37058	32337	27904	23682	[illegible]	9876
TSFC	1.957	1.776	1.695	1.631	1.576	1.527	1.483	1.485
BPR	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.82
WAT2	397	397	397	397	397	397	397	397
N1	5210	5210	5210	5210	5210	5210	5210	5254
N2	8055	8055	8055	8055	8055	8055	8055	8096
PT30	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.8
PT4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	92.6
TT3D	1070	1070	1070	1070	1070	1070	1070	1077
TT4	1450	1450	1450	1450	1450	1450	1450	1465
PT9	15.8	15.8	15.8	15.8	15.8	15.8	15.8	16.1
PTD	28.2	28.6	28.7	28.9	29.0	29.1	29.3	30.4
TT9	1920	1920	1920	1920	1920	1920	1920	1919
TTD	3560	3000	2750	2500	2250	2000	1718	[illegible]
WAF/WAP	0.0360	0.0338	0.0327	0.0316	0.0305	0.0293	0.0270	0.0245
[illegible]	1937	1937	1937	1937	1937	1937	1937	1937
VDUCT	2618	2408	2308	2204	2093	1977	1835	1461
AJCOE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
AJCDO	7.94	7.06	6.67	6.28	5.89	5.49	5.02	3.68

SEP 30, 1964

ALT	55000	WASIZE	640	PT2/PT2P	0.866	WBL3	0.
MO	2.70	FAN	1.3	PT2	26.3	WBL4	0.
VA KTS	1588	TAM	410	TT2	1001	HPEXT	0.

CRUISE	MAX D/H							MIN D/H NOT LIT
PNT	30700	25650	23314	20959	18536	16020	13969	7037
FGT	68619	63568	61233	58878	56455	53939	51884	44456
WAT	455	455	455	455	455	455	455	455
WFT	59748	45323	39537	34314	29413	24795	21276	10999
TSFC	1.946	1.768	1.696	1.637	1.588	1.548	1.523	1.563
BPR	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.70
WAT2	354	354	354	354	354	354	354	354
N1	5138	5138	5138	5138	[illegible]	5138	5138	4991
N2	8158	8158	8158	8158	8156	8158	8158	8192
PT30	40.9	40.9	40.9	40.9	40.9	40.9	40.9	41.7
PT4	106.0	106.0	106.0	106.0	106.0	106.0	106.0	110.0
TT3D	1164	1164	1164	1164	1164	1164	1164	1172
TT4	1523	1523	1523	1523	1523	1523	1523	1539
PT9	18.6	18.6	18.6	18.6	18.6	18.6	18.6	19.3
PTD	38.1	38.4	38.6	38.7	38.8	38.9	39.0	40.2
TT9	1918	1918	1918	1918	1918	1918	1918	1918
TTD	3560	3000	2750	2500	2250	2000	1804	1172
WAF/WAP	0.0344	0.0322	0.0312	0.0302	0.0292	0.0281	0.0272	0.0241
[illegible]	1937	1937	1937	1937	1937	1937	1937	1936
VDUCT	2618	2409	2309	2204	[illegible]	1977	1860	1525
AJCOE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.20
AJCDO	6.44	5.80	5.49	5.18	4.87	4.54	4.28	3.21

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ALT	65000	WASIZE	640	PT2/PT2P	0.904	WBL3	0.
MO	2.20	FAN	0.8	PT2	8.0	WBL4	0.
VA KTS	1264	TAM	410	TT2	805	HPEXT	0.

CRUISE	MAX D/H							MIN D/H NOT LIT
PNT	14757	12676	11718	10731	9712	8647	6850	3439
FGT	28512	26542	25573	24586	23566	22503	20685	17496
WAT	204	204	204	204	204	204	204	204
WFT	29949	23150	20421	17851	15522	13242	9946	5111
TSFC	2.030	1.826	1.743	1.664	1.598	1.537	1.456	1.465
BPR	2.00	2.00	2.00	2.00	2.00	2.00	2.00	1.94
WAT2	468	468	468	468	468	468	468	468
N1	5332	5332	5332	5332	5332	5332	5332	5369
N2	7914	7914	7914	7914	7914	7914	7914	7977
PT30	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.8
PT4	42.5	42.5	42.5	42.5	42.5	42.5	42.5	44.2
TT3D	940	940	940	940	940	940	940	947
TT4	1348	1348	1348	1348	1348	1348	1348	1362
PT9	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.9
PTD	10.5	10.6	10.7	10.8	10.9	11.0	[illegible]	[illegible]
TT9	1926	1926	1926	1926	1926	1926	1926	1924
TTD	3560	3000	2750	2500	2250	2000	[illegible]	448
WAF/WAP	0.0387	0.0362	0.0351	0.0339	0.0326	0.0313	0.0291	0.0252
[illegible]	1940	1940	1940	1940	1940	1940	1940	1939
VDUCT	2618	2408	2308	2203	2093	1977	1774	1174
AJCOE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.21
AJCDO	11.36	9.98	9.37	8.78	8.19	7.60	6.63	[illegible]

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ALT	65000	WASIZE	640	PT2/PT2P	0.970	WBL3	0.
MO	2.50	FAN	0.8	PT2	12.3	WBL4	0.
VA KTS	1470	TAM	410	TT2	919	HPEXT	0.

CRUISE	MAX D/H							MIN D/H NOT LIT
PNT	17527	14798	13542	12265	10949	9579	7930	4011
FGT	36744	34015	32759	31482	30166	28796	27147	23228
WAT	249	249	249	249	249	249	249	249
WFT	34529	26444	23099	20137	[illegible]	14724	11837	6030
TSFC	1.970	1.787	1.706	1.642	1.586	1.537	1.493	1.503
BPR	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.87
WAT2	397	397	397	397	397	397	397	397
N1	5185	5185	5185	5185	5185	5185	5185	5227
N2	8013	8013	8013	8013	8013	8013	8013	8051
PT30	18.9	18.9	18.9	18.9	18.9	18.9	18.9	19.4
PT4	54.6	54.6	54.6	54.6	54.6	54.6	54.6	56.6
TT3D	1065	1065	1065	1065	1065	1065	1065	1072
TT4	1446	1446	1446	1446	1446	1446	1446	1460
PT9	9.6	9.6	9.6	9.6	9.6	9.6	9.6	10.0
PTD	17.0	17.3	17.4	17.5	17.6	17.7	[illegible]	18.4
TT9	1925	1925	1925	1925	1925	1925	1925	1924
TTD	3560	3000	2750	2500	2250	2000	1713	1072
WAF/WAP	0.0361	0.0338	0.0328	0.0316	0.0305	0.0293	0.0274	0.0244
[illegible]	1940	1940	1940	1940	1940	1940	1940	1939
VDUCT	2618	2408	2308	2204	2093	1977	1834	1460
AJCOE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.21
AJCDO	8.22	7.50	6.90	6.30	6.09	5.67	5.17	3.79

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ALT	65000	WASIZE	640	PT2/PT2P	0.866	WBL3	0.
MO	2.70	FAN	0.8	PT2	16.3	WBL4	0.
VA KTS	1588	TAM	410	TT2	1001	HPEXT	0.

CRUISE	MAX D/H							MIN D/H NOT LIT
PNT	19085	15917	14470	12998	11483	9910	8591	4248
FGT	42598	39430	37983	36511	34996	33423	32104	27761
WAT	282	282	282	282	282	282	282	282
WFT	37336	28291	24664	21391	18337	15423	13160	6719
TSFC	1.956	1.777	1.705	1.646	1.597	1.556	1.532	1.582
BPR	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.75
WAT2	354	354	354	354	354	354	354	354
N1	5091	5091	5091	5091	5091	5091	5091	5154
N2	8120	8120	8120	8120	8120	8120	8120	8152
PT30	24.9	24.9	24.9	24.9	24.9	24.9	24.9	25.4
PT4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	66.5
TT3D	1159	1159	1159	1159	1159	1159	1159	1166
TT4	1518	1518	1518	1518	1518	1518	1518	1534
PT9	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.8
PTD	23.1	23.4	23.4	23.5	23.6	23.7	23.7	24.5
TT9	1924	1924	1924	1924	1924	1924	1924	1921
TTD	3560	3000	2750	2500	2250	2000	1799	1166
WAF/WAP	0.0344	0.0323	0.0313	0.0303	0.0292	0.0281	0.0271	0.0240
[illegible]	1939	1939	1939	1939	1939	1939	1939	1939
VDUCT	2618	2409	2309	2204	2094	1977	1878	1521
AJCOE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.20
AJCDO	6.70	5.90	5.67	5.35	5.02	4.68	4.42	3.30

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ALT            75000    WASIZE        640    PT2/PT2P   0.906    WBL3        0.
MN              2.20    FAN           0.5    PT2          5.0    WBL4        0.
WA RTS          1303    TAM           615    TT2          815    HPEXT       0.

CRUISE    MAX D/H                                           MIN D/H NOT LIT

FNI             8943      7661      7049      6428      5827      5144      4024      2090
FGT            11563 [illegible] [illegible] [illegible] [illegible] 11107  12644     10670
WAT              126       126       126       126       126       126       126       126
WFT            18858     14517     12776     11137      9655      8235      6082      3020
TSFC           2.109     1.895     1.807     1.724     1.657     1.594     1.512     1.474
BPR             2.14      2.14      2.14      2.14      2.14      2.14      2.14      2.12
WAT2             468       468       468       468       468       468       468       468

N1              5306      5306      5306      5306      5306      5306      5306      5348
N2              7825      7825      7825      7825      7825      7825      7825      7818
PT3D             7.2       7.2       7.2       7.2       7.2       7.2       7.2       7.9
PT6             25.1      25.1      25.1      25.1      25.1      25.1      25.1      26.1
TT3D             940       940       940       940       940       940       940       947
TT4             1352      1352      1352      1352      1352      1352      1352      1367

PT9              4.5       4.5       4.5       4.5       4.5       4.5       4.5       4.7
[illegible]      9.0       9.0       9.1       9.2       9.2       9.3       9.4       9.9
TT9             1931      1931      1931      1931      1931      1931      1931      1930
TTD             3560      3000      2750      2500      2250      2000      1536       947
WAS/WAF       0.0365    0.0341    0.0330 [illegible] 0.0323   0.0312    0.0289    0.0249
[illegible]     1942      1942      1942      1942      1942      1942      1942      1942
VDUCT           2618      2408      2309      2203      2093      1977      1771      1374
AJCDE           5.21      5.21      5.21      5.21      5.21      5.21      5.21      5.21
[illegible]    12.73     11.15     10.45      9.75      9.07      8.41      7.10      5.04

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ALT            75000    WASIZE        660    PT2/PT2P   0.870    WBL3        0.
MN              2.50    FAN           0.5    PT2          7.6    WBL4        0.
WA RTS          1479    TAM           615    TT2          939    HPEXT       0.

CRUISE    MAX D/H                                           MIN D/H NOT LIT

FNI       [illegible] [illegible]    8261 [illegible]    6641      5789      4962 [illegible]
FGT            23751     21901     20717 [illegible]    18594     17742     15719 [illegible]
WAT              156       156       156       156       156       156       156       156
WFT            21506     16420     14316     12455     10711      9048      7241      3585
TSFC           2.091     1.813     1.731     1.665     1.613     1.564     1.521 [illegible]
BPR             1.98      1.98      1.98      1.98      1.98      1.98      1.98 [illegible]
WAT2             397       397       397       397       397       397       397       397

N1              5163      5163      5163      5163      5163      5163      5163      5206
N2              7971      7971      7971      7971      7971      7971      7971      8006
PT3D            11.4      11.4      11.4      11.4      11.4      11.4      11.4      11.6
PT6             32.5      32.5      32.5      32.5      32.5      32.5      32.5      33.7
TT3D            1067      1067      1067      1067      1067      1067      1067      1074
TT4             1452      1452      1452      1452      1452      1452      1452      1467

PT9              5.8       5.8       5.8       5.8       5.8       5.8       5.8       6.0
[illegible]     10.1      10.2      10.3      10.4      10.5      10.5      10.6      11.0
TT9             1930      1930      1930      1930      1930      1930      1930 [illegible]
TTD             3560      3000      2750      2500      2250      2000      1715      1074
[illegible]   0.0360    0.0337    0.0326    0.0315    0.0304    0.0292    0.0277    0.0242
[illegible]     1942      1942      1942      1942      1942      1942      1942      1942
VDUCT           2618      2408      2108 [illegible] [illegible]  1977 [illegible] [illegible]
AJCDE           5.20      5.20      5.20      5.20      5.20      5.20      5.20      5.21
[illegible]     8.73      7.74      7.31      6.88      6.44      6.00      5.47      4.00

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ALT            75000    WASIZE        640    PT2/PT2P   0.846    WBL3        0.
MN              2.70    FAN           0.5    PT2         10.1    WBL4        0.
WA RTS          1597    TAM           615    TT2         1013    HPEXT       0.

CRUISE    MAX D/H                                           MIN D/H NOT LIT

FNI            11740      9733      8840      7725 [illegible]    5988      5170      2444
FGT            26371     24186     23479     22536 [illegible]   20619     19303     17075
WAT              175       175       175       175       175       175       175       175
WFT            23280     17379     15275     13250     11305      9556      8056      3992
TSFC           1.983     1.802     1.728 [illegible]   1.621     1.581     1.558     1.633
BPR             1.87      1.87      1.87      1.87      1.87      1.87      1.87      1.85
WAT2             354       354       354       354       354       354       354       354

N1              5033      5033      5033      5033      5033      5033      5033      5092
N2              8084      8084      8084      8084      8084      8084      8084      8115
PT3D            15.0      15.0      15.0      15.0      15.0      15.0      15.0      15.3
PT6             38.5      38.5      38.5      38.5      38.5      38.5      38.5      39.9
TT3D            1162      1162      1162      1162      1162      1162      1162      1169
TT4             1524      1524      1524      1524      1524      1524      1524      1539

PT9       [illegible]      6.7       6.8       6.8       6.9       6.8       6.8       7.8
[illegible]     13.8      14.0      14.0      14.1      14.1      14.2      14.2      14.7
TT9             1930      1930      1930      1930      1930      1930      1930      1929
TTD             3560      3000      2750      2500      2250      2000      1801      1169
[illegible]   0.0344    0.0322    0.0314    0.0301    0.0291    0.0279    0.0270    0.0238
[illegible]     1942      1942      1942      1942      1942      1942      1942      1942
VDUCT           2618      2409      2309      2204      2094      1977      1879      1523
AJCDE           5.20      5.20      5.20      5.20      5.20      5.20      5.20      5.20
[illegible]     7.08      6.32      5.98      5.64      5.29      4.95      4.66      3.67

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ALT	0	WASIZE	640	PT2/PT2P	1.000	WBL3	0.
MN	0.	FAN	14.7	PT2	14.7	WBL4	0.
VO KTS	0	TAM	519	TT2	519	HPEXT	0.

PART PWR

FN	[illegible]	36265	32316	30216	27187	23586	20606	17765
FGT	[illegible]	36265	32316	30216	27187	23586	20606	17765
WAT	[illegible]	640	640	640	619	581	548	512
WFT	[illegible]	25976	21137	18954	17412	14855	12855	11041
TSFC	0.799	0.715	0.686	0.661	0.640	0.630	0.624	0.624
BPR	1.23	1.36	1.40	1.47	1.55	1.64	1.69	1.71
WAT2	640	640	640	640	619	581	549	512
N1	5952	5847	5825	5764	5400	5126	4865	4635
N2	8033	7876	7796	7695	7567	7417	7256	7074
PT30	41.6	38.9	36.0	33.1	31.7	30.2	28.5	26.7
PT4	[illegible]	174.1	166.6	158.4	145.4	128.2	117.1	106.2
TT30	739	720	707	686	672	660	647	635
TT4	1141	1125	1107	1085	1062	1024	[illegible]	966
PT9	32.9	31.4	29.9	[illegible]	25.4	23.6	21.7	23.4
PTD	40.0	37.3	34.3	31.7	29.9	28.6	26.9	29.1
TT9	[illegible]	[illegible]	1831	1753	[illegible]	1609	1543	1480
TTD	739	720	707	686	673	661	647	635
[illegible]	0.0315	[illegible]	0.0301	0.0296	0.0287	0.0280	0.0275	0.0270
[illegible]	1970	[illegible]	1892	1853	1747	1558	1407	1249
VDUCT	1217	[illegible]	1185	1170	1161	1150	1108	1041
AJCDE	5.22	5.21	5.20	5.20	5.2	5.21	5.20	5.20
AJCDO	3.26	3.45	3.77	4.17	4.27	4.27	4.27	4.27

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ALT	0	WASIZE	640	PT2/PT2P	1.000	WBL3	0.
MN	0.	FAN	14.7	PT2	14.7	WBL4	0.
VO KTS	0	TAM	519	TT2	519	HPEXT	0.

PART PWR

FN	15303	12787	10094	6962
FGT	15303	12787	10094	6962
WAT	479	441	394	328
WFT	9557	8110	6679	5152
TSFC	0.624	0.634	0.662	0.740
BPR	1.72	1.72	1.74	1.73
WAT2	479	441	394	328
N1	4404	4151	3792	3145
N2	6844	6665	6375	5951
PT30	25.0	23.3	21.5	18.4
PT4	96.6	86.5	74.9	59.5
TT30	622	609	595	578
TT4	934	907	863	811
PT9	19.4	18.5	17.6	16.6
PTD	23.8	22.0	20.6	18.6
TT9	1419	1362	1313	1266
TTD	622	609	595	578
[illegible]	0.0264	0.0261	0.0257	0.0253
[illegible]	1146	1023	887	722
VDUCT	973	894	800	671
AJCDE	5.20	5.20	5.21	5.21
AJCDO	[illegible]	4.27	4.27	4.27

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ALT	0	WASIZE	640	PT2/PT2P	1.000	WBL3	0.
MN	0.20	FAN	14.7	PT2	15.1	WBL4	0.
VO KTS	132	TAM	519	TT2	523	HPEXT	0.

PART PWR

FN	32906	30736	28729	26386	23582	20269	17942	14977
FGT	41225	39565	37256	35114	27936	24373	21424	18560
WAT	653	653	653	653	625	592	559	526
WFT	26447	24186	22099	[illegible]	17513	15033	13054	11267
TSFC	0.812	0.787	0.769	0.756	0.743	0.742	0.743	0.755
BPR	1.23	1.35	1.41	1.46	1.57	1.65	1.70	1.72
WAT2	637	637	637	637	613	578	546	512
N1	5942	5875	5879	5748	5469	5116	4873	4658
N2	8013	7909	7806	7705	7574	7426	7264	7081
PT30	42.2	39.6	36.6	33.7	32.4	30.9	29.2	27.4
PT4	184.5	177.0	169.1	161.2	146.8	131.2	119.3	[illegible]
TT30	742	723	705	687	676	664	652	640
TT4	1147	1129	1111	1092	1067	1028	999	971
PT9	35.5	31.9	30.4	28.8	26.1	23.7	22.0	20.7
PTD	40.7	38.0	34.9	31.7	30.5	29.1	27.5	25.8
TT9	1984	1909	1831	1753	1677	1606	1541	1477
TTD	742	723	765	687	676	665	652	640
[illegible]	0.0316	0.0307	0.0299	0.0292	0.0284	0.0279	0.0274	0.0269
[illegible]	1970	1931	1892	1853	1749	1579	1426	1268
VDUCT	[illegible]	1203	1187	1172	1163	1153	1134	1069
AJCDE	5.20	5.21	5.20	5.20	5.21	5.20	5.20	5.20
AJCDO	3.22	3.47	3.80	4.21	4.27	4.27	4.27	4.27

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ALT	0	WASIZE	640	PT2/PT2P	1.000	WBL3	0.
MN	0.20	FAN	14.7	PT2	15.1	WBL4	0.
VO KTS	132	TAM	519	TT2	523	HPEXT	0.

PART PWR

FN	12099	10434	8084	[illegible]	3176
FGT	16134	13619	10936	8131	5105
WAT	492	456	411	356	284
WFT	9224	8286	6857	5436	4071
TSFC	0.766	0.793	0.848	[illegible]	1.276
BPR	1.73	1.74	1.75	1.80	1.82
WAT2	481	445	401	347	275
N1	4429	4190	3850	3337	2662
N2	[illegible]	6689	6408	6051	5554
PT30	25.7	24.0	22.2	20.3	16.2
PT4	98.8	89.0	77.6	64.1	48.4
TT30	627	615	600	585	568
TT4	963	914	878	824	767
PT9	19.6	18.7	17.8	16.8	16.0
PTD	24.3	22.7	21.0	19.4	17.8
TT9	1415	1356	1306	1259	1250
TTD	627	614	601	585	567
[illegible]	0.0265	0.0262	0.0256	0.0252	0.0249
[illegible]	1201	1042	912	767	609
VDUCT	1003	928	538	730	584
AJCDE	5.20	5.20	5.20	5.21	5.20
AJCDO	4.27	4.27	4.27	4.27	4.27

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ALT	0	WASIZE	640	PT2/PT2P	1.000	WBL3	0.
MN	0.40	FAN	14.7	PT2	16.6	WBL4	0.
VO KTS	265	TAM	519	TT2	535	HPEXT	0.

PART PWR

FN	30723	28679	25543	[illegible]4255	21029	18195	15457	13273
FGT	40315	34269	36133	33516	30128	26858	23892	21154
WAT	[illegible]	691	691	689	656	624	593	561
WFT	[illegible]	25515	22852	20481	17895	15585	13977	11795
TSFC	[illegible]	0.972	0.861	0.853	0.851	0.856	0.867	[illegible]
BPR	1.31	1.37	1.45	1.52	1.61	1.67	1.72	1.76
WAT2	629	629	629	627	591	560	540	510
N1	5910	5834	5754	5480	5349	5095	4889	4692
N2	8041	7943	7838	7731	7591	7447	7280	7101
PT30	44.6	41.7	38.6	35.9	34.2	33.1	31.5	29.6
PT4	193.9	185.3	176.7	167.6	150.8	137.3	125.6	115.1
TT30	751	732	714	697	687	677	665	654
TT4	1160	1141	1122	1102	1069	1039	1012	986
PT9	35.2	33.6	31.7	29.8	26.8	24.3	22.8	21.4
PTD	42.8	39.9	36.6	33.6	32.5	31.2	29.6	27.9
TT9	1999	1919	1831	1752	1677	1605	1535	1463
TTD	751	732	714	698	687	678	665	656
[illegible]	0.0318	0.0308	0.0296	0.0289	0.0282	0.0277	0.0271	0.0267
[illegible]	1979	[illegible]	1892	[illegible]	1797	1629	1481	1346
VDUCT	1225	1210	1195	[illegible]	[illegible]	1164	1153	1144
AJCDE	5.20	5.21	5.20	5.21	5.20	5.20	5.20	5.21
AJCDO	3.27	3.55	3.85	4.27	4.27	4.27	4.27	4.27

SEP 30, 1964

ALT	0	WASIZE	640	PT2/PT2P	1.000	WBL3	0.
MN	0.40	FAN	14.7	PT2	16.6	WBL4	0.
VO KTS	265	TAM	519	TT2	535	HPEXT	0.

PART P

FN	11363	9126	7049	5005	3097
FGT	18517	16017	13393	10711	8000
WAT	539	497	457	412	356
WFT	[illegible]	8741	7325	5948	4639
TSFC	0.914	0.958	1.039	1.191	1.534
BPR	1.76	1.78	1.80	1.84	1.95
WAT2	482	452	416	374	324
N1	4407	4276	4090	3607	3082
N2	6919	6725	6478	6194	5842
PT30	27.9	26.7	24.3	22.5	20.6
PT4	[illegible]	95.7	85.1	73.2	60.2
TT30	[illegible]	[illegible]	636	602	580
TT4	954	932	900	860	[illegible]
PT9	[illegible]	[illegible]	16.3	17.4	16.6
PTD	[illegible]	[illegible]	23.0	21.3	19.8
TT9	1405	1341	1291	1240	1204
TTD	642	629	516	602	588
[illegible]	[illegible]	0.0257	0.0253	0.0249	0.0244
[illegible]	1220	1101	972	842	702
VDUCT	1087	1019	942	851	747
AJCDE	5.20	5.20	5.21	5.20	5.19
AJCDO	4.27	4.27	4.27	4.27	4.27

SEP 30, 1964

ALT	5000	WASIZE	640	PT2/PT2P	1.000	WBL3	0.	
MN	0.20	FAN	12.2	PT2	12.6	WBL4	0.	
VA KTS	130	TAM	501	TT2	505	HPEXT	0.	
PART PWR								
FNT	29734	27223	25613	23855	21007	18004	16104	13607
FGT	32577	31065	29456	27697	25154	22371	19460	16966
WAT	563	553	563	563	551	523	492	463
WFT	23958	21263	19533	17819	15860	13648	11705	10098
TSFC	0.806	0.781	0.763	0.747	0.739	0.726	0.727	0.731
BPR	1.28	1.33	1.38	1.44	1.50	1.60	1.67	1.71
WAT2	650	650	650	650	635	603	567	534
N1	5985	5924	5872	5818	5617	5279	4964	4709
N2	7967	7858	7756	7675	7539	7398	7246	7074
PT30	36.5	34.3	31.9	29.3	27.7	26.7	25.3	23.8
PT4	159.9	153.9	147.9	141.6	131.5	118.2	105.8	95.9
TT30	727	709	691	673	661	650	638	625
TT4	1128	1110	1093	1076	1051	1018	985	956
PT9	29.0	27.8	26.6	25.3	23.5	21.6	19.2	17.9
PTD	35.2	33.0	30.4	27.7	26.0	25.1	23.8	22.4
TT9	1993	1910	1831	1754	1676	1602	1535	1470
TTD	727	709	691	673	661	650	638	625
[illegible]/WAP	0.0313	0.0312	0.0305	0.0297	0.0291	0.0284	0.0278	0.0272
[illegible]	1970	1932	1893	1853	1813	1672	1498	1359
VDUCT	1256	1191	1176	1161	1150	1140	1130	1092
AJCDE	5.21	5.21	5.21	5.20	5.21	5.21	5.20	5.20
AJCD8	3.16	3.39	3.69	4.07	4.27	4.27	4.27	4.27

SEP 30, 1964

ALT	5000	WASIZE	640	PT2/PT2P	1.000	WBL3	0.	
MN	0.20	FAN	12.2	PT2	12.6	WBL4	0.	
VA KTS	130	TAM	501	TT2	505	HPEXT	0.	
PART PWR								
FNT	11698	9802	7935	5775	3589	2632		
FGT	14665	12554	10361	8007	5427	4267		
WAT	434	405	370	327	[illegible]	240		
WFT	8694	7450	6245	5056	3853	3313		
TSFC	0.744	0.760	0.787	0.876	1.075	1.259		
BPR	1.73	1.74	1.75	1.77	1.81	1.82		
WAT2	500	457	427	377	311	276		
N1	4589	4260	3994	[illegible]	2936	2605		
N2	6891	6706	6452	6144	5718	5452		
PT30	22.3	20.9	19.3	17.7	16.0	15.2		
PT4	87.1	79.0	70.0	59.6	46.9	40.9		
TT30	613	600	587	573	557	548		
TT4	924	901	869	828	770	740		
PT9	16.8	16.0	15.2	14.4	13.6	13.3		
PTD	21.0	15.7	18.3	16.9	15.3	14.4		
TT9	1406	1345	1290	1245	1219	1210		
TTD	613	600	587	573	556	547		
[illegible]/WAP	0.0268	0.0263	0.0258	0.0254	0.0255	0.0249		
[illegible]	1219	1097	968	830	670	594		
VDUCT	1025	956	876	776	665	571		
AJCDE	5.21	5.20	5.21	5.20	5.20	5.20		
AJCD8	4.27	4.27	4.27	4.27	4.27	4.27		

SEP 30, 1964

ALT	5000	WASIZE	640	PT2/PT2P	1.000	WBL3	0.	
MN	0.40	FAN	12.2	PT2	15.7	WBL4	0.	
VA KTS	260	TAM	501	TT2	517	HPEXT	0.	
PART PWR								
FNT	27296	25458	23901	21989	19498	16801	14449	12296
FGT	35435	33797	32040	30128	27362	24276	21551	19014
WAT	597	597	597	597	577	548	521	493
WFT	24190	22147	20331	18494	16254	14014	12140	10332
TSFC	0.886	0.846	0.851	0.841	0.834	0.834	0.842	0.857
BPR	1.29	1.34	1.40	1.47	1.55	1.64	1.69	1.73
WAT2	641	641	641	641	620	589	559	529
N1	5997	5891	5832	5769	5511	5194	4944	4734
N2	7994	7890	7788	7696	7561	7418	7265	7090
PT30	38.6	36.2	33.6	30.8	29.6	28.5	27.2	25.7
PT4	168.6	162.3	155.4	148.2	135.9	122.1	111.1	101.3
TT30	737	719	701	682	672	661	651	639
TT4	1141	1123	1105	1087	1056	1026	997	970
PT9	30.6	29.3	27.9	26.5	24.2	21.7	19.9	18.5
PTD	37.5	34.8	32.0	29.0	27.8	26.8	25.6	24.2
TT9	1989	1909	1831	1753	1677	1602	1530	1463
TTD	737	719	701	682	672	662	651	638
[illegible]/WAP	0.0315	0.0304	0.0301	0.0294	0.0287	0.0281	0.0275	0.0270
[illegible]	1970	1931	1892	1853	1813	1715	1551	1405
VDUCT	1214	1195	1184	1168	1159	1151	1141	1130
AJCDE	5.21	5.21	5.21	5.20	5.21	5.20	5.21	5.21
AJCD8	3.20	3.44	3.76	4.17	4.27	4.27	4.27	4.27

SEP 30, 1964

ALT	5000	WASIZE	640	PT2/PT2P	1.000	WBL3	0.	
MN	0.40	FAN	12.2	PT2	15.7	WBL4	0.	
VA KTS	260	TAM	501	TT2	517	HPEXT	0.	
PART PWR								
FNT	10362	8581	6846	5932				
FGT	16732	14544	12389	11225				
WAT	463	437	404	389				
WFT	9115	7819	6625	6026				
TSFC	0.879	0.911	0.968	1.014				
BPR	1.75	1.77	1.78	1.80				
WAT2	500	470	437	417				
N1	4537	4324	4096	3944				
N2	6909	6722	6510	6375				
PT30	24.1	22.7	21.1	20.3				
PT4	92.6	84.3	75.9	71.1				
TT30	627	615	602	595				
TT4	944	917	888	871				
PT9	17.4	16.5	15.7	15.3				
PTD	22.7	21.3	19.9	19.2				
TT9	1397	1335	1275	1249				
TTD	628	615	602	596				
[illegible]/WAP	0.0265	0.0260	0.0256	0.0253				
[illegible]	1274	1151	1030	954				
VDUCT	1106	1042	970	928				
AJCDE	5.21	5.20	5.20	5.20				
AJCD8	4.27	4.27	4.27	4.27				

SEP 30, 1964

ALT	5000	WASIZE	640	PT2/PT2P	1.000	WBL3	0.	
[illegible]	[illegible]	FAN	12.2	PT2	[illegible]	WBL4	[illegible]	
[illegible]	[illegible]	TAM	501	TT2	[illegible]	HPEXT	[illegible]	
PART PWR								
[illegible]	[illegible]	[illegible]	23021	20926	[illegible]	[illegible]	[illegible]	[illegible]
FGT	40126	38371	36412	34117	30686	27765	25122	22597
WAT	655	655	655	650	619	593	568	542
[illegible]	[illegible]	[illegible]	21555	19420	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	0.902	[illegible]	[illegible]	[illegible]	[illegible]
BPR	1.32	1.38	1.46	1.53	1.62	1.68	1.73	1.76
WAT2	628	628	628	623	594	568	544	519
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
N2	8045	7939	7837	7728	7589	7447	7285	7115
PT30	42.3	39.4	36.4	33.8	32.7	31.6	30.3	28.9
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TT4	1161	1142	1123	1102	1069	1041	1016	992
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TT9	1987	1909	1831	1753	1678	1602	1527	1455
TTD	752	733	714	698	688	681	669	660
[illegible]	[illegible]	[illegible]	0.0299	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
VDUCT	1226	1210	1194	1182	1173	1167	1157	1149
AJCDE	5.21	5.21	5.20	5.20	5.20	5.20	5.20	5.20
[illegible]	[illegible]	[illegible]	3.92	4.27	[illegible]	[illegible]	4.27	[illegible]

SEP 30, 1964

ALT	5000	WASIZE	640	PT2/PT2P	1.000	WBL3	0.	
[illegible]	[illegible]	[illegible]	12.2	PT2	15.6	WBL4	0.	
[illegible]	[illegible]	TAM	501	TT2	[illegible]	HPEXT	0.	
PART PWR								
[illegible]	[illegible]	[illegible]	7077					
FGT	20126	17909	16767					
WAT	515	488	474					
[illegible]	[illegible]	[illegible]	[illegible]					
[illegible]	[illegible]	[illegible]	[illegible]					
BPR	1.78	1.81	1.83					
WAT2	494	468	454					
[illegible]	[illegible]	[illegible]	[illegible]					
N2	6935	6742	6642					
PT30	27.4	25.9	25.0					
[illegible]	[illegible]	[illegible]	[illegible]					
[illegible]	[illegible]	[illegible]	[illegible]					
TT4	967	940	927					
[illegible]	[illegible]	17.4	[illegible]					
[illegible]	[illegible]	[illegible]	[illegible]					
TT9	1367	1321	1289					
TTD	650	639	632					
[illegible]	[illegible]	[illegible]	[illegible]					
[illegible]	[illegible]	[illegible]	[illegible]					
VDUCT	1141	1131	1125					
AJCDE	5.20	5.20	5.20					
[illegible]	[illegible]	[illegible]	4.27					

SEP 30, 1964

ALT	15000	WASIZE	640	PT2/PT2P	1.000	WBL3	0.
MO	0.60	PAN	8.1	PT2	10.6	WBL4	0.
WA RTS	376	TAM	465	TT2	499	HPEXT	0.

PART PWR

FNT	20935	19688	18374	16973	15259	13249	11322	9774
FGT	35433	29156	27842	26441	24524	22093	19724	17753
WAT	490	480	490	490	470	449	426	407
WFT	19710	18237	16577	15268	13652	11813	10270	8860
TSFC	0.941	0.921	0.904	0.900	0.895	0.892	0.898	0.909
BPR	1.23	1.31	1.38	1.43	1.49	1.58	1.67	1.72
WAT2	656	656	656	656	640	611	580	555
N1	5935	5934	5836	5835	5641	5325	5024	4824
N2	7443	7432	7733	7510	7518	7382	7237	7081
PT30	31.0	29.1	27.1	24.9	23.4	22.7	21.9	21.0
PT4	135.9	131.0	126.0	120.8	113.0	102.0	91.7	84.0
TT30	721	701	695	668	655	645	636	627
TT4	1120	1103	1086	1069	1046	1014	983	957
PT9	24.7	23.7	22.7	21.6	20.1	18.1	16.2	14.8
PTD	29.9	28.0	25.8	23.6	22.1	21.4	20.6	19.7
TT9	1991	1912	1831	1754	1677	1602	1526	1451
TTD	721	703	695	668	655	645	637	627
WAS/WAP	0.0320	0.0313	0.0306	0.0299	0.0292	0.0285	0.0279	0.0273
[illegible]	1971	1932	1893	1854	1814	1773	1733	1638
VDUCT	1230	1185	1171	1156	1145	1136	1124	1120
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.20
AJCDO	3.17	3.39	3.69	4.05	4.27	4.27	4.27	4.27

SEP 30, 1964

ALT	15000	WASIZE	640	PT2/PT2P	1.000	WBL3	0.
MO	0.60	PAN	8.3	PT2	10.6	WBL4	0.
WA RTS	370	TAM	465	TT2	499	HPEXT	0.

PART PWR

FNT	8240	6891	5614	4989
FGT	15933	14144	12463	11627
WAT	388	368	347	337
WFT	7661	6615	5644	5192
TSFC	0.930	0.960	1.005	1.041
BPR	1.76	1.74	1.67	1.65
WAT2	528	501	473	459
N1	4668	4472	4274	4174
N2	6907	6727	6536	6433
PT30	20.0	18.9	17.9	17.2
PT4	77.0	70.6	64.1	61.5
TT30	617	607	595	589
TT4	932	907	881	865
PT9	13.6	12.7	11.9	11.6
CTD	18.8	17.8	14.7	16.2
TT9	1379	1310	1245	1213
TTD	616	607	596	589
WAS/WAP	0.0268	0.0263	0.0257	0.0255
[illegible]	1480	1349	1215	1190
VDUCT	1111	1102	1092	1086
AJCDE	5.20	5.21	5.20	5.20
AJCDO	4.27	4.27	4.27	4.27

SEP 30, 1964

ALT	15000	WASIZE	640	PT2/PT2P	1.000	WBL3	0.
MO	0.80	PAN	8.3	PT2	12.6	WBL4	0.
WA RTS	501	TAM	465	TT2	525	HPEXT	0.

PART PWR

FNT	21712	20195	18626	16965	14744	12690	10996	9471
FGT	36010	34492	32924	31261	28403	25696	23466	21445
WAT	544	544	544	544	515	495	474	455
WFT	21806	19916	18236	16561	14383	12477	10919	9556
TSFC	1.004	0.986	0.979	0.976	0.976	0.983	0.993	1.009
BPR	1.30	1.36	1.43	1.50	1.59	1.67	1.72	1.76
WAT2	636	636	636	636	607	578	554	532
N1	5931	5861	5797	5735	5423	5135	4948	4799
N2	8035	7952	7801	7697	7562	7420	7267	7100
PT30	35.0	32.7	30.3	27.9	27.0	26.0	25.1	24.1
PT4	155.0	146.5	140.0	133.3	120.5	109.1	100.4	92.9
TT30	742	723	705	687	677	668	659	651
TT4	1148	1130	1112	1093	1061	1030	1005	982
PT9	27.7	26.4	25.1	23.8	21.4	19.3	17.7	16.3
PTD	33.7	31.3	28.8	26.2	25.4	24.5	23.6	22.7
TT9	1984	1911	1832	1754	1679	1603	1526	1450
TTD	742	723	705	687	678	669	660	652
WAS/WAP	0.0313	0.0306	0.0298	0.0291	0.0285	0.0279	0.0273	0.0268
[illegible]	1970	1932	1893	1853	1814	1774	1733	1690
VDUCT	1216	1202	1187	1173	1164	1157	1149	1142
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
AJCDO	3.23	3.52	3.83	4.27	4.27	4.27	4.27	4.27

SEP 30, 1964

ALT	15000	WASIZE	640	PT2/PT2P	1.000	WBL3	0.
MO	0.80	PAN	8.3	PT2	12.6	WBL4	0.
WA RTS	501	TAM	465	TT2	525	HPEXT	0.

PART PWR

FNT	8032	6719	5424	4205	3070	2042	1153	730
FGT	19534	17712	15874	14089	12372	10773	9265	8525
WAT	437	418	397	376	354	331	309	296
WFT	8343	7217	6146	5213	4349	3578	2876	2552
TSFC	1.039	1.074	1.137	1.240	1.412	1.735	2.494	3.494
BPR	1.78	1.82	1.86	1.89	1.92	1.96	2.04	2.09
WAT2	510	489	465	435	412	387	361	347
N1	4657	4506	4332	4153	3939	3660	3361	3188
N2	6932	6751	6559	6359	6169	6001	5769	5673
PT30	23.1	22.1	21.0	19.8	18.6	17.4	16.2	15.7
PT4	84.1	79.3	72.5	65.9	59.5	53.3	46.7	43.6
TT30	643	634	624	613	602	591	580	574
TT4	959	935	910	885	855	830	797	780
PT9	15.0	13.4	12.9	12.1	11.3	10.7	10.2	9.9
PTD	21.7	20.8	19.8	18.6	17.5	16.3	15.3	14.7
TT9	1374	1301	1232	1166	1104	1044	989	963
TTD	643	634	624	613	607	591	580	574
WAS/WAP	0.0263	0.0258	0.0251	0.0248	0.0243	0.0238	0.0233	0.0231
[illegible]	1612	1469	1327	1194	1063	943	820	761
VDUCT	1134	1126	1118	1108	1098	1088	1056	1022
AJCDE	5.20	5.20	5.20	5.20	5.20	5.21	5.21	5.20
AJCDO	4.27	4.27	4.27	4.27	4.27	4.27	4.27	4.27

SEP 30, 1964

ALT	15000	WASIZE	640	PT2/PT2P	1.000	WBL3	0.
MO	0.90	PAN	8.3	PT2	14.8	WBL4	0.
WA RTS	546	TAM	465	TT2	541	HPEXT	0.

PART PWR

FNT	20217	18805	14867	15944	13078	11081	9476	8074
FGT	37633	36091	33913	30417	28242	25963	23842	21905
WAT	594	584	576	550	526	506	486	468
WFT	20966	19054	17071	14826	12959	11415	10018	8753
TSFC	1.017	1.013	1.012	1.017	1.034	[illegible]	1.059	1.084
BPR	1.40	1.45	1.56	1.64	1.70	1.74	1.77	1.80
WAT2	625	625	616	588	563	541	519	500
N1	5906	5737	5601	5299	5082	4987	4786	4626
N2	7939	7837	7725	7585	7440	7279	7114	6943
PT30	34.9	32.3	30.5	29.2	28.2	27.2	26.1	25.1
PT4	155.0	147.6	139.3	129.1	114.4	106.3	[illegible]	[illegible]
TT30	736	718	701	691	683	674	666	659
TT4	1144	1125	1102	1070	1041	1020	997	974
PT9	[illegible]	[illegible]	24.7	[illegible]	[illegible]	[illegible]	17.3	[illegible]
PTD	[illegible]	[illegible]	29.5	27.3	[illegible]	[illegible]	[illegible]	[illegible]
TT9	1911	1832	1754	1675	1603	1526	1450	1373
TTD	734	716	707	691	683	675	666	659
WAS/WAP	[illegible]	[illegible]	0.0287	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
VDUCT	1211	1196	1185	1176	1164	1162	1155	1149
AJCDE	5.20	5.20	5.21	5.20	5.20	5.21	5.20	5.21
AJCDO	[illegible]	[illegible]	4.27	4.27	4.27	4.27	4.27	4.27

SEP 30, 1964

ALT	15000	WASIZE	640	PT2/PT2P	1.000	WBL3	0.
MO	0.90	PAN	8.3	PT2	14.8	WBL4	0.
WA RTS	546	TAM	465	TT2	541	HPEXT	0.

PART PWR

FNT	6724	5407	4160	3040	2020	1121
FGT	19986	18073	16211	14427	12760	11210
WAT	449	428	407	385	363	341
WFT	[illegible]	6476	5479	4570	3774	3044
TSFC	[illegible]	[illegible]	1.315	1.506	[illegible]	2.719
BPR	1.84	1.88	1.92	[illegible]	1.95	2.05
WAT2	480	458	435	412	388	365
N1	4507	[illegible]	[illegible]	[illegible]	[illegible]	3466
N2	6761	6571	6377	6201	6044	5866
PT30	24.1	23.0	21.9	20.6	19.4	18.3
PT4	[illegible]	77.7	70.9	64.3	58.0	51.7
TT30	[illegible]	[illegible]	631	621	610	599
TT4	951	927	903	877	850	820
PT9	14.7	13.6	12.6	11.8	11.1	10.6
PTD	22.7	21.7	20.4	19.4	[illegible]	17.2
TT9	1299	1228	1159	1094	1031	974
TTD	650	642	631	621	610	599
WAS/WAP	[illegible]	0.0250	0.0245	0.0240	[illegible]	0.0231
[illegible]	[illegible]	[illegible]	[illegible]	1128	[illegible]	[illegible]
VDUCT	1141	1133	1125	1115	1105	1095
AJCDE	5.20	5.20	5.20	5.20	5.21	5.19
AJCDO	4.27	4.27	4.27	4.27	4.27	4.27

SEP 30, 1964

ALT	36150	WASIZE	640	PT2/PT2P	1.000	WBL3	0.
MN	0.60	FPR	3.3	PT2	4.2	WBL4	0.
VA KTS	344	TAM	390	TT2	414	HPEXT	0.

PART PWR

FNT	9343	8815	8250	7629	6998	6294	5381	4487
FGT	13261	12733	12168	11563	10948	10317	8916	7811
WAT	217	217	217	217	213	206	196	184
WFT	8170	7610	6936	6338	5746	5102	4350	3661
TSFC	0.874	0.864	0.841	0.831	0.821	0.811	0.808	0.816
BPR	1.31	1.35	1.39	1.43	1.46	1.48	1.57	1.67
WAT2	686	686	686	686	672	650	617	581
N1	5910	5859	5819	5706	5590	5300	4932	4629
N2	7522	7365	7245	7141	7030	6920	6782	6636
PT30	13.1	12.3	11.4	10.4	9.8	9.4	9.1	8.7
PT4	58.1	56.1	54.1	51.9	49.5	46.2	41.3	35.5
TT30	620	604	588	572	562	553	542	539
TT4	990	972	955	938	917	894	863	831
PT9	10.5	10.1	9.7	9.3	8.8	8.2	7.3	6.4
PTD	12.7	11.8	10.9	9.8	9.2	8.9	8.5	8.2
TT9	1831	1751	1674	1596	1520	1442	1367	1294
TTD	620	604	588	572	562	554	543	536
WAS/WAP	0.0331	0.0323	0.0316	0.0308	0.0302	0.0295	0.0287	0.0280
VCNG	1892	1853	1812	1771	1729	1685	1642	1599
VDUCT	1114	1099	1085	1070	1061	1053	1043	1034
AJCDE	5.21	5.20	5.21	5.21	5.22	5.21	5.21	5.20
AJCOD	3.16	3.34	3.67	4.08	4.27	4.27	4.27	4.27

SEP 30, 1964

ALT	36150	WASIZE	640	PT2/PT2P	1.000	WBL3	0.
MN	0.60	FPR	3.3	PT2	4.2	WBL4	0.
VA KTS	344	TAM	390	TT2	414	HPEXT	0.

PART PWR

FNT	3757	3088	2474	1903	1361
FGT	6911	6059	5265	4499	3750
WAT	175	165	155	144	132
WFT	3117	2645	2238	1883	1574
TSFC	0.830	0.857	0.904	0.989	1.157
BPR	1.73	1.77	1.80	1.83	1.86
WAT2	551	519	487	453	417
N1	4407	4215	4017	3800	3549
N2	6475	6293	6097	5887	5665
PT30	8.3	7.8	7.3	6.7	6.2
PT4	32.9	29.7	26.8	23.9	21.0
TT30	525	515	505	493	481
TT4	805	780	755	728	701
PT9	5.8	5.3	4.9	4.5	4.1
PTD	7.8	7.3	6.8	6.3	5.8
TT9	1223	1149	1083	1021	963
TTD	525	516	504	493	480
WAS/WAP	0.0273	0.0267	0.0261	0.0255	0.0249
VCNG	1440	1323	1179	1042	910
VDUCT	1025	1016	1005	994	925
AJCDE	5.21	5.21	5.21	5.20	5.20
AJCOD	4.27	4.27	4.27	4.27	4.27

SEP 30, 1964

ALT	36150	WASIZE	640	PT2/PT2P	1.000	WBL3	0.
MN	0.80	FPR	3.3	PT2	5.0	WBL4	0.
VA KTS	459	TAM	390	TT2	440	HPEXT	0.

PART PWR

FNT	10768	10164	9539	8848	8151	7397	6468	5453
FGT	16669	16265	15640	14949	14185	13246	12065	10751
WAT	253	253	253	253	251	243	233	220
WFT	10157	9437	8781	8005	7309	6557	5703	4831
TSFC	0.943	0.929	0.921	0.905	0.897	0.887	0.882	0.886
BPR	1.31	1.34	1.38	1.43	1.45	1.47	1.54	1.64
WAT2	686	686	686	686	679	657	629	595
N1	6079	6029	5989	5937	5813	5520	5198	4868
N2	7736	7576	7454	7352	7243	7134	7009	6863
PT30	15.7	14.7	13.7	12.6	11.8	11.4	11.0	10.6
PT4	69.7	67.4	65.1	62.7	60.0	56.5	51.5	45.7
TT30	652	636	621	605	593	585	575	560
TT4	1042	1024	1005	990	969	946	918	886
PT9	12.7	12.2	11.8	11.3	10.7	10.1	9.1	8.0
PTD	15.2	14.2	13.1	11.9	11.1	10.7	10.3	10.0
TT9	1934	1856	1777	1699	1621	1545	1468	1393
TTD	652	636	621	605	593	584	576	566
WAS/WAP	0.0331	0.0324	0.0317	0.0310	0.0303	0.0297	0.0290	0.0283
VCNG	1943	1905	1865	1825	1786	1743	1700	1657
VDUCT	1142	1128	1115	1100	1090	1082	1073	1064
AJCDE	5.21	5.20	5.21	5.21	5.20	5.20	5.21	5.21
AJCOD	3.16	3.38	3.65	4.01	4.27	4.27	4.27	4.27

SEP 30, 1964

ALT	36150	WASIZE	640	PT2/PT2P	1.000	WBL3	0.
MN	0.80	FPR	3.3	PT2	5.0	WBL4	0.
VA KTS	459	TAM	390	TT2	440	HPEXT	0.

PART PWR

FNT	4601	3880	3230	2613	2018	1468	971	538
FGT	9619	8664	7786	6937	6085	5271	4493	3795
WAT	208	199	189	180	169	158	147	135
WFT	4127	3543	3039	2572	2159	1803	1499	1235
TSFC	0.897	0.913	0.941	0.985	1.070	1.229	1.544	2.295
BPR	1.71	1.76	1.79	1.83	1.87	1.91	1.95	2.03
WAT2	564	538	512	486	457	427	396	366
N1	4607	4424	4285	4117	3932	3729	3463	3152
N2	6712	6543	6369	6178	5971	5757	5570	5360
PT30	10.1	9.7	9.2	8.7	8.2	7.6	7.0	6.5
PT4	41.1	37.5	34.5	31.2	28.0	25.0	22.1	19.1
TT30	557	549	541	532	522	511	500	488
TT4	858	834	811	787	762	737	709	678
PT9	7.2	6.5	6.0	5.4	5.0	4.6	4.3	4.1
PTD	9.5	9.1	8.7	8.2	7.7	7.2	6.6	6.1
TT9	1319	1243	1169	1097	1030	967	908	852
TTD	558	548	542	532	522	511	499	489
WAS/WAP	0.0276	0.0270	0.0264	0.0258	0.0252	0.0246	0.0241	0.0235
VCNG	1840	1668	1487	1339	1186	1047	914	782
VDUCT	1057	1048	1041	1032	1022	1011	1000	979
AJCDE	5.20	5.21	5.21	5.20	5.21	5.20	5.20	5.21
AJCOD	4.27	4.27	4.27	4.27	4.27	4.27	4.27	4.27

SEP 30, 1954

ALT	36150	WASIZE	640	PT2/PT2P	1.000	WBL3	0.
MN	0.80	FPR	3.3	PT2	5.0	WBL4	0.
VA KTS	459	TAM	390	TT2	440	HPEXT	0.

PART PWR

FNT	342
FGT	3452
WAT	129
WFT	1118
TSFC	3.269
BPR	2.08
WAT2	349
N1	2964
N2	5240
PT30	6.3
PT4	17.6
TT30	482
TT4	661
PT9	4.0
PTD	5.9
TT9	827
TTD	483
WAS/WAP	0.0232
VCNG	718
VDUCT	944
AJCDE	5.21
AJCOD	4.27

SEP 30, 1964

ALT	36150	WASIZE	640	PT2/PT2P	1.000	WBL3	0.
MN	0.90	FPR	3.3	PT2	5.6	WBL4	0.
VA KTS	516	TAM	390	TT2	453	HPEXT	0.

PART PWR

FNT	11836	11160	10491	9758	9005	8219	7259	6175
FGT	19313	18657	17988	17255	16455	15446	14207	12771
WAT	277	277	277	277	275	267	257	244
WFT	11552	10728	9961	9153	8385	7569	6641	5664
TSFC	0.978	0.961	0.949	0.938	0.931	0.921	0.915	0.917
BPR	1.30	1.34	1.37	1.42	1.45	1.47	1.52	1.62
WAT2	685	685	685	695	681	641	635	603
N1	6150	6102	6060	6035	5937	5644	5336	5010
N2	7863	7700	7577	7473	7367	7259	7140	6998
PT30	17.5	16.4	15.4	14.2	13.1	12.7	12.3	11.0
PT4	77.5	75.0	72.5	69.9	67.1	63.4	58.3	52.0
TT30	672	657	643	625	612	603	595	585
TT4	1072	1055	1036	1019	1001	977	951	919
PT9	[illegible]	13.7	13.1	12.6	12.0	11.3	10.3	9.2
PTD	16.5	15.8	14.7	13.4	12.3	11.9	11.4	11.1
TT9	1995	1917	1838	1759	1681	1605	1528	1452
TTD	673	657	641	625	612	604	595	585
WAS/WAP	[illegible]	0.0325	0.0318	0.0311	0.0306	0.0298	0.0292	0.0284
VCNG	1972	1935	1896	1856	1818	1775	1733	1691
VDUCT	1160	1146	1133	1119	1107	1099	1091	1082
AJCDE	5.21	5.20	5.21	5.21	5.21	5.19	5.21	5.21
AJCOD	[illegible]	3.36	3.68	3.95	4.27	4.27	4.27	4.27

SEP 30, 1964

ALT	36150	WASIZE	640	PT2/PT2P	1.000	WBL3	0.
MN	0.90	FPR	3.3	PT2	5.6	WBL4	0.
VA KTS	516	FAN	390	TT2	453	HPEXT	0.

PART PWR

FN	5713	4440	3739	3087	2464	1880	1340	862
FGT	11456	10500	9524	8516	7655	6757	5919	5137
WAT	231	220	210	200	191	180	169	158
WFT	4857	4171	3593	3073	2594	2169	1807	1500
TSFC	0.928	0.939	0.962	0.995	1.052	1.154	1.349	1.740
BPR	1.70	1.75	1.78	1.82	1.87	1.91	1.95	1.99
WAT2	570	545	520	495	472	446	418	391
N1	4722	4549	4394	4245	4087	3915	3718	3464
N2	6857	6685	6514	6332	6137	5932	5734	5567
PT3D	11.1	10.9	10.4	9.9	9.4	8.9	8.3	7.7
PT4	46.6	42.6	39.1	35.8	32.6	29.4	26.3	23.3
TT3D	576	567	559	551	543	533	524	513
TT4	889	865	842	819	795	771	746	719
PT9	8.0	7.4	6.8	6.2	5.6	5.2	4.8	4.4
PTD	10.7	10.2	9.7	9.3	8.9	8.3	7.8	7.3
TT9	1378	1302	1227	1152	1080	1011	946	885
TTD	576	568	559	551	542	533	523	514
WAS/WAP	0.0278	0.0271	0.0265	0.0260	0.0254	0.0248	0.0243	0.0237
[illegible]	1669	1604	1550	1511	1369	1210	1072	939
VDUCT	1073	1066	1058	1051	1042	1034	1024	1014
AJCDE	5.20	5.21	5.21	5.20	5.20	5.20	5.21	5.21
[illegible]	4.27	4.27	4.27	4.27	4.27	4.27	4.27	4.27

SEP 30, 1964

ALT	36150	WASIZE	640	PT2/PT2P	1.000	WBL3	0.
MN	0.90	FPR	3.3	PT2	5.6	WBL4	0.
VA KTS	516	FAN	390	TT2	453	HPEXT	0.

PART PWR

FN	648
FGT	4777
WAT	151
WFT	1363
TSFC	2.109
BPR	2.02
WAT2	377
N1	3127
N2	5481
PT3D	7.5
PT4	21.9
TT3D	[illegible]
TT4	706
PT9	4.2
PTD	7.0
TT9	856
TTD	508
WAS/WAP	0.0234
[illegible]	877
VDUCT	1008
AJCDE	5.20
[illegible]	4.27

SEP 30, 1964

ALT	0	WASIZE	640	PT2/PT2P	1.000	WBL3	0.
MN	0.	PAM	14.7	PT2	14.7	WBL4	0.
VEA KTS	0	TAM	546	TT2	546	HPEXT	0.

PART PWR

FNT	32878	30962	28995	26402	23049	20294	17590	15262
FGT	32878	30962	28995	26402	23049	20294	17590	15262
WAT	606	606	606	594	560	530	491	466
WFT	25824	22161	19445	17575	15072	13122	11395	9882
TSFC	0.755	0.716	0.688	0.666	0.654	0.647	0.648	0.647
BPR	1.34	1.41	1.49	1.57	1.65	1.69	1.71	1.72
WAT2	622	622	622	609	574	543	509	478
N1	5879	5790	5721	5567	5193	4958	4734	4509
N2	8454	8352	7840	7732	7581	7474	7246	7068
PT3D	38.8	36.2	33.5	31.4	29.5	28.3	26.5	25.0
PT4	163.0	160.0	152.3	141.3	126.8	115.7	105.5	96.3
TT3D	757	738	719	704	692	679	667	654
TT4	1158	1144	1129	1104	1069	1040	1012	985
PT9	30.4	28.8	27.3	25.4	23.1	21.6	20.4	19.4
PTD	37.6	34.4	31.7	29.5	28.1	26.6	25.0	23.6
TT9	1989	1910	1832	1756	1688	1622	1559	1497
TTD	757	738	719	704	692	679	667	654
WFD/WAD	0.0307	0.0299	0.0292	0.0286	0.0285	0.0275	0.0270	0.0266
[illegible]	1970	1932	1893	1757	1577	1433	1299	1170
VDUCT	1230	1214	1199	1181	1177	1122	1063	996
AJCDE	5.21	5.21	5.20	5.20	5.20	5.20	5.20	5.20
AJCDD	3.34	3.65	4.01	4.27	4.27	4.27	4.27	4.27

SEP 30, 1964

ALT	0	WASIZE	640	PT2/PT2P	1.000	WBL3	0.
MN	0.	PAM	14.7	PT2	14.7	WBL4	0.
VEA KTS	0	TAM	546	TT2	546	HPEXT	0.

PART PWR

FNT	12852	10265	7294
FGT	12852	10265	7294
WAT	431	387	327
WFT	8444	7017	5505
TSFC	0.657	0.684	0.755
BPR	1.73	1.74	1.78
WAT2	442	397	336
N1	4262	3913	3304
N2	6841	6555	6155
PT3D	23.3	21.6	19.6
PT4	86.7	75.6	61.2
TT3D	641	626	610
TT4	954	916	860
PT9	18.5	17.6	16.7
PTD	22.1	20.5	18.8
TT9	1440	1391	1361
TTD	640	626	609
WFD/WAD	0.0262	0.0258	0.0254
[illegible]	1050	922	743
VDUCT	919	827	703
AJCDE	5.20	5.20	5.20
AJCDD	4.27	4.27	4.27

SEP 30, 1964

ALT	0	WASIZE	640	PT2/PT2P	1.000	WBL3	0.
MN	0.20	PAM	14.7	PT2	15.1	WBL4	0.
VEA KTS	136	TAM	546	TT2	550	HPEXT	0.

PART PWR

FNT	29404	27457	25459	22844	19799	17244	14780	12667
FGT	33801	31654	29856	27139	23855	21092	18398	16071
WAT	618	618	618	603	570	540	508	479
WFT	24069	21926	19867	17585	15252	13305	11571	10056
TSFC	0.819	0.799	0.780	0.770	0.768	0.771	0.783	0.794
BPR	1.35	1.41	1.50	1.59	1.66	1.70	1.72	1.73
WAT2	619	619	619	604	571	541	509	480
N1	5960	5776	5706	5518	5188	4963	4749	4534
N2	8068	7962	7861	7737	7591	7451	7252	7077
PT3D	39.5	36.9	34.1	32.1	30.6	29.0	27.2	25.7
PT4	170.6	163.3	154.4	142.9	128.8	117.8	107.6	98.5
TT3D	759	741	722	708	697	684	672	659
TT4	1172	1152	1135	1107	1071	1045	1018	990
PT9	30.9	29.2	27.7	25.6	23.6	21.9	20.6	19.6
PTD	38.0	35.3	32.2	30.2	28.8	27.3	25.6	24.2
TT9	1989	1910	1832	1756	1687	1620	1556	1493
TTD	759	741	722	708	697	684	673	660
WFD/WAD	0.0303	0.0298	0.0291	0.0284	0.0279	0.0274	0.0269	0.0265
[illegible]	1970	1932	1893	1766	1598	1456	1319	1198
VDUCT	1233	1217	1203	1190	1181	1154	1090	1027
AJCDE	5.21	5.21	5.20	5.21	5.20	5.19	5.20	5.20
AJCDD	3.37	3.67	4.04	4.27	4.27	4.27	4.27	4.27

SEP 30, 1964

ALT	0	WASIZE	640	PT2/PT2P	1.000	WBL3	0.
MN	0.20	PAM	14.7	PT2	15.1	WBL4	0.
VEA KTS	136	TAM	546	TT2	550	HPEXT	0.

PART PWR

FNT	10541	8248	5933	4556
FGT	13712	11120	8449	6815
WAT	446	403	353	317
WFT	8636	7206	5806	5040
TSFC	0.819	0.874	0.979	1.106
BPR	1.74	1.75	1.79	1.82
WAT2	445	404	354	318
N1	4309	3980	3501	3121
N2	6869	6571	6255	6014
PT3D	24.1	22.3	20.9	19.4
PT4	89.3	78.4	65.8	57.7
TT3D	647	632	617	608
TT4	961	923	878	845
PT9	18.7	17.8	17.0	16.5
PTD	22.7	21.1	19.6	18.6
TT9	1434	1381	1343	1335
TTD	647	633	617	608
WFD/WAD	0.0261	0.0257	0.0253	0.0251
[illegible]	1077	947	804	717
VDUCT	955	866	762	688
AJCDE	5.21	5.20	5.21	5.20
AJCDD	4.27	4.27	4.27	4.27

SEP 30, 1964

ALT	0	WASIZE	640	PT2/PT2P	1.000	WBL3	0.
MN	0.40	PAM	14.7	PT2	16.6	WBL4	0.
VEA KTS	271	TAM	546	TT2	563	HPEXT	0.

PART PWR

FNT	27298	25222	23165	20436	17606	15451	13108	11185
FGT	36533	34555	32467	29421	26383	23373	20404	18495
WAT	653	653	653	632	603	574	544	516
WFT	26459	23451	20461	18842	15827	13898	12130	10834
TSFC	0.908	0.899	0.883	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
BPR	1.39	1.47	1.55	1.63	1.68	1.72	1.74	1.77
WAT2	610	610	610	590	563	536	508	481
N1	5910	5729	5662	5458	5164	4984	4700	4576
N2	8095	7991	7857	7758	7614	7459	7274	7095
PT3D	41.5	38.7	35.9	34.2	32.8	31.2	29.5	27.9
PT4	177.7	166.5	160.6	147.6	135.2	124.3	115.4	105.8
TT3D	767	749	732	721	711	698	687	675
TT4	1183	1163	1143	1115	1086	1060	1033	1007
PT9	32.2	30.4	28.8	26.4	24.9	23.7	22.6	20.2
PTD	[illegible]	[illegible]	33.0	[illegible]	[illegible]	[illegible]	27.8	26.3
TT9	1990	1914	1832	1756	1683	1614	1547	1481
TTD	767	749	732	721	711	698	687	675
WFD/WAD	0.0301	0.0294	0.0287	0.0281	0.0276	0.0271	0.0267	0.0262
[illegible]	[illegible]	[illegible]	1892	[illegible]	[illegible]	[illegible]	1370	1252
VDUCT	1234	1224	1210	1201	1192	1182	1171	1113
AJCDE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20
AJCDD	[illegible]	3.77	4.15	[illegible]	4.27	4.27	4.27	4.27

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ALT	0	WASIZE	640	PT2/PT2P	1.000	WBL3	0.
MN	0.40	PAM	14.7	PT2	16.6	WBL4	0.
VEA KTS	271	TAM	546	TT2	563	HPEXT	0.

PART PWR

FNT	9997	8237
FGT	16108	14891
WAT	489	467
WFT	9110	8404
TSFC	0.909	1.021
BPR	1.78	1.78
WAT2	452	436
N1	4309	4271
N2	6905	6795
PT3D	26.2	25.3
PT4	96.4	91.2
TT3D	662	656
TT4	980	965
PT9	19.3	18.9
PTD	23.7	23.3
TT9	1421	1391
TTD	662	656
WFD/WAD	0.0258	0.0256
[illegible]	1138	1077
VDUCT	1047	1011
AJCDE	5.20	5.20
AJCDD	4.27	4.27

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ALT	5000	WASIZE	640	PT2/PT2P	1.000	WBL3	0.
MN	0.20	PAM	12.2	PT2	12.6	WBL4	0.
VA KTS	133	TAM	528	TT2	532	HPEXT	0.

PART PWR

FNT	26110	24509	22829	20915	18165	15773	13594	11594
FGT	29921	28247	26767	24615	21674	19085	16727	14518
WAT	544	544	544	529	501	475	447	421
WFT	21276	19337	17647	15891	13700	11898	10330	8954
TSFC	0.815	0.789	0.773	0.760	0.754	0.754	0.760	0.772
BPR	1.32	1.39	1.45	1.53	1.62	1.68	1.71	1.75
WAT2	631	631	631	624	593	562	530	499
N1	5909	5835	5766	5660	5313	5031	4806	4592
N2	8013	7914	7814	7756	7561	7414	7253	7062
PT30	34.2	31.8	29.5	27.4	26.4	25.1	23.6	22.2
PT4	149.1	142.4	135.9	128.2	114.8	104.1	94.8	86.5
TT30	746	727	709	693	682	670	657	645
TT4	1155	1136	1117	1096	1062	1031	1003	976
PT9	27.0	25.7	24.4	22.9	20.7	19.0	17.8	16.8
PTD	32.9	30.5	28.0	25.8	24.8	23.6	22.2	20.9
TT9	1990	1911	1833	1755	1685	1614	1549	1485
TTD	746	727	709	694	682	671	658	645
WAS/WAP	0.0311	0.0301	0.0296	0.0289	0.0281	0.0277	0.0272	0.0268
VENG	1970	1932	1894	1854	1685	1521	1380	1249
VDUCT	1221	1206	1191	1178	1164	1156	1115	1049
AJCDF	5.21	5.21	5.20	5.21	5.20	5.21	5.20	5.21
AJCDD	3.29	3.58	3.93	4.27	4.27	4.27	4.27	4.27

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ALT	5000	WASIZE	640	PT2/PT2P	1.000	WBL3	0.
MN	0.20	PAM	12.2	PT2	12.6	WBL4	0.
VA KTS	133	TAM	528	TT2	532	HPEXT	0.

PART PWR

FNT	9800	7912	5921	3785
FGT	12558	10442	8171	5663
WAT	394	361	322	268
WFT	7726	6525	5336	4121
TSFC	0.788	0.825	0.901	1.089
BPR	1.74	1.75	1.77	1.57
WAT2	466	429	381	318
N1	4369	4106	3704	3069
N2	6881	6637	6327	5914
PT30	20.8	19.4	17.8	16.1
PT4	78.9	70.1	60.3	48.0
TT30	632	619	605	588
TT4	944	916	873	818
PT9	16.0	15.2	14.2	13.7
PTD	19.7	18.1	16.9	15.5
TT9	1423	1368	1322	1235
TTD	632	620	605	588
WAS/WAP	0.0263	0.0259	0.0255	0.0251
VENG	1129	1004	866	706
VDUCT	982	902	804	676
AJCDF	5.21	5.20	5.21	5.20
AJCDD	4.27	4.27	4.27	4.27

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ALT	5000	WASIZE	640	PT2/PT2P	1.000	WBL3	0.
MN	0.40	PAM	12.2	PT2	13.7	WBL4	0.
VA KTS	267	TAM	528	TT2	545	HPEXT	0.

PART PWR

FNT	24485	22741	20966	18811	16315	14147	12096	10286
FGT	32391	30649	28865	26581	23694	21183	18763	16599
WAT	566	566	566	554	527	502	476	451
WFT	22009	19989	18242	16264	14147	12373	10780	9391
TSFC	0.899	0.879	0.870	0.865	0.867	0.876	0.891	0.913
BPR	1.34	1.42	1.47	1.57	1.65	1.70	1.74	1.76
WAT2	622	622	622	611	582	554	525	497
N1	5974	5791	5722	5560	5261	5035	4834	4642
N2	8051	7945	7841	7726	7586	7436	7257	7082
PT30	36.1	33.6	31.1	29.3	28.2	26.9	25.5	24.0
PT4	156.3	148.8	141.6	131.9	119.5	109.5	100.2	92.0
TT30	755	736	718	704	694	683	672	660
TT4	1167	1147	1128	1103	1072	1044	1017	991
PT9	28.3	26.8	25.4	23.6	21.5	19.7	18.6	17.4
PTD	34.7	32.1	29.4	27.5	26.5	25.3	24.0	22.4
TT9	1949	1911	1833	1755	1691	1609	1542	1476
TTD	755	736	718	704	695	684	671	661
WAS/WAP	0.0307	0.0300	0.0293	0.0286	0.0280	0.0275	0.0270	0.0265
VENG	1979	1932	1893	1854	1732	1578	1436	1307
VDUCT	1223	1213	1198	1187	1179	1169	1159	1131
AJCDF	5.21	5.21	5.20	5.21	5.21	5.21	5.20	5.20
AJCDD	3.35	3.66	4.02	4.27	4.27	4.27	4.27	4.27

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ALT	5000	WASIZE	640	PT2/PT2P	1.000	WBL3	0.
MN	0.40	PAM	12.2	PT2	13.7	WBL4	0.
VA KTS	267	TAM	528	TT2	545	HPEXT	0.

PART PWR

FNT	8590	6937	5211	3584	2034
FGT	14545	12495	10284	8111	5939
WAT	425	397	362	321	277
WFT	8289	6931	5761	4658	3602
TSFC	0.965	0.999	1.106	1.300	1.771
BPR	1.78	1.79	1.82	1.87	1.93
WAT2	469	438	400	357	304
N1	4435	4214	3893	3467	2935
N2	6930	6611	6431	6141	5750
PT30	22.6	21.2	19.6	18.1	16.6
PT4	84.2	76.3	67.0	57.0	46.5
TT30	640	635	621	607	593
TT4	964	936	901	859	808
PT9	16.5	15.8	15.0	14.2	13.6
PTD	21.3	20.0	18.5	17.2	15.9
TT9	1412	1352	1306	1256	1222
TTD	649	635	621	607	591
WAS/WAP	0.0260	0.0256	0.0252	0.0247	0.0244
VENG	1186	1067	937	801	663
VDUCT	1069	999	915	826	714
AJCDF	5.20	5.20	5.20	5.21	5.21
AJCDD	4.27	4.27	4.27	4.27	4.27

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ALT	5000	WASIZE	640	PT2/PT2P	1.000	WBL3	0.
MN	0.60	PAM	12.2	PT2	15.6	WBL4	0.
VA KTS	400	TAM	528	TT2	566	HPEXT	0.

PART PWR

FNT	22482	21796	19882	17433	15248	13249	11342	9635
FGT	35457	34771	32857	29940	27251	24719	22177	20137
WAT	618	618	618	596	572	549	525	500
WFT	22278	21091	19224	16927	14929	13151	11533	10086
TSFC	0.983	0.968	0.967	0.971	0.979	0.993	1.017	1.047
BPR	1.40	1.48	1.56	1.64	1.69	1.73	1.76	1.79
WAT2	609	609	609	586	563	540	516	492
N1	5797	5717	5691	5403	5199	5023	4870	4699
N2	8036	7992	7889	7757	7615	7455	7266	7112
PT30	39.1	36.5	33.9	32.4	31.3	30.1	28.7	27.3
PT4	167.2	158.9	151.1	138.6	127.8	116.4	108.6	101.2
TT30	769	750	733	723	714	705	695	684
TT4	1184	1164	1145	1116	1090	1065	1040	1015
PT9	30.3	28.6	27.1	24.7	22.7	21.0	19.6	18.5
PTD	37.6	35.1	31.9	30.9	29.4	28.3	27.0	25.7
TT9	1990	1911	1833	1756	1682	1605	1533	1464
TTD	769	750	733	724	715	704	694	685
WAS/WAP	0.0301	0.0294	0.0287	0.0281	0.0275	0.0270	0.0266	0.0261
VENG	1971	1932	1893	1855	1810	1672	1532	1393
VDUCT	1239	1225	1211	1201	1195	1186	1178	1170
AJCDF	5.20	5.20	5.20	5.21	5.21	5.20	5.20	5.20
AJCDD	3.46	3.80	4.18	4.27	4.27	4.27	4.27	4.27

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ALT	5000	WASIZE	640	PT2/PT2P	1.000	WBL3	0.
MN	0.60	PAM	12.2	PT2	15.6	WBL4	0.
VA KTS	400	TAM	528	TT2	566	HPEXT	0.

PART PWR

FNT	7960
FGT	17932
WAT	475
WFT	8723
TSFC	1.096
BPR	1.81
WAT2	467
N1	4399
N2	6923
PT30	25.9
PT4	67.8
TT30	673
TT4	989
PT9	17.4
PTD	29.3
TT9	1198
TTD	679
WAS/WAP	0.0257
VENG	1274
VDUCT	1160
AJCDF	5.20
AJCDD	4.27

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ALT      15000   WASIZE       640   PT2/PT2P  1.000   WBL3       0.
MO        0.30   FAN          8.3   PT2        10.6   WBL4       0.
VA KTS     387   TAM          492   TT2         520   HPEXT      0.

PART PWR

FNT      18765    17462    16108    14520    12635    10923     9478     8073
FGT      27942    26660    25246    23875    21354    19263    17421    15656
WAT        453      453      453      441      424      404      392      374
WFT      17394    16448    15030    13557    11745    10257     8976     7828
TSFC     0.959    0.942    0.933    0.928    0.929    0.937    0.947    0.970
BPR       1.32     1.38     1.45     1.52     1.62     1.67     1.73     1.76
WAT2       634      634      634      629      600      572      549      521

N1        5915     5862     5777     5668     5559     5093     4924     4751
N2        7994     7895     7744     7656     7544     7467     7351     7219
PT3D      28.3     26.9     24.9     23.2     22.5     21.6     20.9     19.8
PT4      126.5    120.9    115.4    104.0     96.2     89.5     82.6     76.0
TT3D       761      722      704      688      675      670      661      651
TT4       1150     1131     1112     1092     1055     1030     1006      981

PT9       22.9     21.8     20.8     19.5     17.5     15.9     14.6     13.5
PTD       27.8     25.7     23.6     21.8     21.1     20.3     19.6     18.6
TT9       1991     1915     1836     1756     1680     1603     1523     1457
TTD        761      722      704      688      675      670      662      651
WAS/WAP 0.0312   0.0304   0.0297   0.0290   0.0284   0.0278   0.0272   0.0267
VENG      1971     1933     1894     1855     1815     1775     1662     1519
VDUCT     1217     1202     1187     1174     1165     1157     1150     1141
AJCDE     5.21     5.21     5.20     5.21     5.21     5.20     5.21     5.20
AJCDD     3.30     3.58     3.93     4.27     4.27     4.27     4.27     4.27

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ALT      15000   WASIZE       640   PT2/PT2P  1.000   WBL3       0.
MO        0.30   FAN          8.3   PT2        10.6   WBL4       0.
VA KTS     387   TAM          492   TT2         520   HPEXT      0.

PART PWR

FNT       6803     5586     4996
FGT      14612    13536    11620
WAT        355      336      327
WFT       6802     5843     5399
TSFC     1.000    1.046    1.081
BPR       1.79     1.82     1.83
WAT2       498      471      459

N1        4579     4384     4289
N2        6976     6712     6613
PT3D      18.0     17.7     17.2
PT4       70.5     61.8     60.9
TT3D       641      629      623
TT4        956      930      917

PT9       12.7     11.9     11.6
PTD       17.7     16.7     16.2
TT9       1398     1322     1290
TTD        641      630      626
WAS/WAP 0.0262   0.0258   0.0257
VENG      1383     1252     1188
VDUCT     1132     1121     1117
AJCDE     5.20     5.19     5.20
AJCDD     4.27     4.27     4.27

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ALT      15000   WASIZE       640   PT2/PT2P  1.000   WBL3       0.
MO        0.60   FAN          8.3   PT2        12.6   WBL4       0.
VA KTS     515   TAM          492   TT2         555   HPEXT      0.

PART PWR

FNT      19004    17493    15976    13993    12205    10664     9244     7912
FGT      32640    31129    29812    27369    25014    22892    21155    19115
WAT        512      512      512      495      474      454      439      422
WFT      19541    17769    16181    14238    12510    11034     9722     8540
TSFC     1.028    1.015    1.013    1.017    1.025    1.035    1.052    1.079
BPR       1.38     1.46     1.54     1.62     1.64     1.73     1.76     1.79
WAT2       615      615      615      595      570      549      527      507

N1        5826     5748     5683     5442     5205     5063     4902     4765
N2        8064     7959     7859     7728     7589     7437     7273     7108
PT3D      32.1     30.2     28.0     26.6     25.7     24.8     23.9     22.9
PT4      139.5    132.7    126.3    115.7    106.3     98.5     91.5     85.2
TT3D       759      742      725      712      704      695      687      679
TT4       1175     1155     1136     1107     1079     1055     1032     1009

PT9       25.3     23.9     22.4     20.7     18.9     17.4     16.1     14.9
PTD       31.0     28.7     26.4     25.0     24.2     23.3     22.5     21.6
TT9       1992     1912     1833     1758     1681     1604     1527     1452
TTD        759      742      725      712      705      696      688      679
WAS/WAP 0.0303   0.0296   0.0289   0.0283   0.0278   0.0272   0.0267   0.0262
VENG      1971     1933     1894     1855     1816     1775     1733     1649
VDUCT     1232     1218     1204     1193     1187     1180     1175     1165
AJCDE     5.20     5.21     5.21     5.20     5.20     5.21     5.21     5.20
AJCDD     3.45     3.76     4.13     4.27     4.27     4.27     4.27     4.27

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ALT      15000   WASIZE       640   PT2/PT2P  1.000   WBL3       0.
MO        0.60   FAN          8.3   PT2        12.6   WBL4       0.
VA KTS     515   TAM          492   TT2         555   HPEXT      0.

PART PWR

FNT       6650     5418     4262     3181     2201     1317      905
FGT      17589    15843    14152    12512    10978     9551     8821
WAT        435      386      366      345      325      306      290
WFT       7431     6396     5456     4594     3822     3113     2767
TSFC     1.117    1.180    1.279    1.444    1.737    2.364    3.060
BPR       1.83     1.86     1.89     1.92     1.96     2.03     2.18
WAT2       496      463      440      415      390      365      352

N1        4614     4447     4274     4064     3808     3516     3348
N2        6910     6740     6546     6355     6194     5991     5879
PT3D      22.0     21.0     19.8     18.7     17.4     16.4     15.9
PT4       78.7     72.3     66.1     60.0     54.1     47.9     44.7
TT3D       670      660      649      638      627      615      610
TT4        985      961      936      910      882      849      832

PT9       13.8     12.9     12.1     11.4     10.8     10.3     10.0
PTD       20.7     19.7     18.7     17.6     16.5     15.5     15.0
TT9       1378     1309     1242     1179     1118     1062     1035
TTD        670      660      649      638      627      615      609
WAS/WAP 0.0258   0.0253   0.0248   0.0244   0.0239   0.0234   0.0232
VENG      1507     1368     1238     1111      990      869      809
VDUCT     1158     1149     1142     1130     1120     1098     1065
AJCDE     5.20     5.21     5.20     5.20     5.20     5.20     5.21
AJCDD     4.27     4.27     4.27     4.27     4.27     4.27     4.27

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ALT      15000   WASIZE       640   PT2/PT2P  1.000   WBL3       0.
MO        0.90   FAN          8.3   PT2        14.0   WBL4       0.
VA KTS     580   TAM          492   TT2         572   HPEXT      0.

PART PWR

FNT      19291    17612    15956    13929    12232    10477     9062     7731
FGT      35903    34314    32654    29900    27602    25470    23508    21675
WAT        549      549      549      525      505      486      468      452
WFT      20381    18681    16813    14776    13070    11546    10205     8961
TSFC     1.057    1.057    1.054    1.061    1.069    1.091    1.102    1.130
BPR       1.41     1.51     1.60     1.66     1.71     1.75     1.77     1.81
WAT2       604      604      604      577      556      535      515      497

N1        5764     5690     5620     5353     5172     5025     4893     4762
N2        8096     7996     7889     7754     7609     7449     7289     7119
PT3D      34.5     32.3     29.8     28.8     27.8     26.9     25.9     25.0
PT4      146.7    139.6    132.4    121.2    112.7    104.6     97.4     90.8
TT3D       771      754      737      728      719      711      703      695
TT4       1199     1168     1148     1118     1094     1070     1048     1025

PT9       26.6     25.1     23.7     21.6     20.8     18.6     17.1     15.8
PTD       33.1     30.7     28.1     27.1     26.2     25.3     24.3     23.5
TT9       1991     1911     1833     1758     1681     1604     1527     1451
TTD        771      754      737      728      719      711      703      695
WAS/WAP 0.0296   0.0292   0.0285   0.0278   0.0274   0.0269   0.0265   0.0260
VENG      1972     1932     1893     1856     1816     1775     1733     1699
VDUCT     1241     1228     1215     1206     1195     1193     1186     1179
AJCDE     5.20     5.21     5.21     5.20     5.20     5.21     5.21     5.21
AJCDD     3.53     3.86     4.27     4.27     4.27     4.27     4.27     4.27

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ALT      15000   WASIZE       640   PT2/PT2P  1.000   WBL3       0.
MO        0.90   FAN          8.3   PT2        14.0   WBL4       0.
VA KTS     580   TAM          492   TT2         572   HPEXT      0.

PART PWR

FNT       6653     5409     4233     3193     2167     1300
FGT      19867    18061    16287    14595    12976    11514
WAT        436      416      396      376      355      336
WFT       7797     6728     5736     4819     4033     3311
TSFC     1.172    1.243    1.355    1.519    1.861    2.546
BPR       1.85     1.88     1.92     1.95     1.95     2.04
WAT2       478      457      436      413      391      369

N1        4619     4472     4311     4115     3878     3623
N2        6941     6757     6565     6373     6237     6073
PT3D      24.0     23.0     21.9     20.7     19.6     18.5
PT4       84.1     77.6     71.1     64.9     58.8     53.0
TT3D       687      678      668      658      647      636
TT4       1002      977      954      929      907      876

PT9       14.7     13.6     12.7     11.9     11.2     10.7
PTD       22.8     21.6     20.6     19.5     18.4     17.6
TT9       1376     1303     1235     1165     1107     1046
TTD        687      678      667      658      647      636
WAS/WAP 0.0255   0.0250   0.0246   0.0241   0.0237   0.0232
VENG      1582     1440     1309     1175     1053      936
VDUCT     1177     1166     1155     1147     1138     1128
AJCDE     5.20     5.20     5.20     5.20     5.20     5.20
AJCDD     4.27     4.27     4.27     4.27     4.27     4.27

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ALT	36150	WASIZE	640	PT2/PT2P	1.000	WBL3	0.	
MN	0.60	PAM	3.3	PT2	4.2	WBL4	0.	
VA KTS	356	TAM	417	TT2	447	HPEXT	0.	
PART PWR								
FNT	9166	8866	8330	7759	7178	6516	5719	4862
FGT	13294	12796	12269	11680	11050	10240	9311	8245
WAT	211	212	211	211	207	201	192	182
WFT	8351	7956	7601	6769	6193	5566	4841	4112
TSFC	0.913	0.897	0.888	0.873	0.863	0.852	0.846	0.849
BPR	1.33	1.36	1.43	1.44	1.44	1.44	1.54	1.65
WAT2	645	656	686	696	676	655	627	596
N1	6136	6092	6056	6023	5937	5556	5226	4902
N2	7762	7516	7571	7430	7357	7146	7053	6714
PT30	12.7	12.1	11.3	10.4	9.8	9.5	9.2	8.9
PT4	58.0	55.3	54.3	52.1	50.1	47.2	42.9	38.2
TT30	658	645	628	612	602	594	584	575
TT4	1057	1034	1022	1005	984	961	933	900
PT9	10.6	10.3	9.8	9.4	8.8	8.4	7.6	6.7
PTD	12.5	11.7	10.4	9.9	9.2	9.0	8.6	8.3
TT9	1970	1871	1812	1733	1655	1514	1572	1421
TTD	658	643	628	612	603	594	584	575
WAS/WAP	0.0331	0.0324	0.0317	0.0310	0.0304	0.0298	0.0291	0.0283
VENG	1961	1922	1883	1842	1802	1761	1719	1677
VDUCT	1159	1156	1121	1107	1094	1090	1061	1073
AJCDF	5.21	5.21	5.21	5.21	5.22	5.21	5.21	5.21
AJCDD	3.23	3.45	3.72	4.10	4.27	4.27	4.27	4.27

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ALT	36150	WASIZE	640	PT2/PT2P	1.000	WBL3	0.	
MN	0.60	PAM	3.3	PT2	4.2	WBL4	0.	
VA KTS	356	TAM	417	TT2	447	HPEXT	0.	
PART PWR								
FNT	4092	3633	2837	2278	1758	1244	776	377
FGT	7315	6636	5726	4976	4242	3576	2447	2241
WAT	173	156	155	146	136	125	113	100
WFT	3520	3120	2488	2201	1867	1565	1292	1066
TSFC	0.860	0.879	0.917	0.966	1.063	1.258	1.665	2.823
BPR	1.72	1.76	1.71	1.83	1.85	1.89	1.96	2.04
WAT2	562	536	504	476	447	407	367	325
N1	4662	4456	4271	4072	3864	3590	3217	2788
N2	6763	6591	6413	6214	6012	5763	5410	5213
PT30	8.6	8.0	7.5	7.1	6.6	6.0	5.5	5.1
PT4	34.4	31.2	28.4	25.7	23.0	20.2	17.2	14.2
TT30	566	556	546	535	524	511	498	486
TT4	872	847	822	797	771	742	706	666
PT9	6.0	5.5	5.1	4.7	4.5	4.2	3.8	3.7
PTD	7.9	7.6	7.1	6.7	6.2	5.7	5.2	4.8
TT9	1353	1283	1211	1143	1083	1026	916	830
TTD	567	556	547	535	524	511	498	486
WAS/WAP	0.0277	0.0270	0.0265	0.0255	0.0254	0.0248	0.0243	0.0238
VENG	1620	1460	1315	1174	1044	912	775	644
VDUCT	1265	1155	1066	1015	1013	942	863	774
AJCDF	5.20	5.20	5.20	5.21	5.20	5.20	5.20	5.21
AJCDD	4.27	4.27	4.27	4.27	4.27	4.27	4.27	4.27

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ALT	36150	WASIZE	640	PT2/PT2P	1.000	WBL3	0.	
MN	0.80	PAM	3.3	PT2	5.0	WBL4	0.	
VA KTS	474	TAM	417	TT2	470	HPEXT	0.	
PART PWR								
FNT	9633	9015	8348	7612	6786	5831	4942	4227
FGT	15623	15002	14335	13515	12441	11224	10051	9109
WAT	241	241	241	236	228	217	205	196
WFT	9220	8545	7819	7035	6265	5389	4617	4000
TSFC	0.957	0.948	0.937	0.925	0.924	0.924	0.934	0.946
BPR	1.36	1.39	1.43	1.47	1.71	1.61	1.69	1.74
WAT2	673	673	673	651	636	606	574	548
N1	6029	5986	5931	5765	5459	5142	4843	4659
N2	7710	7606	7504	7424	7287	7148	7001	6943
PT30	14.2	13.2	12.2	11.5	11.1	10.7	10.3	9.9
PT4	65.1	62.8	60.4	57.4	53.0	47.6	42.7	38.0
TT30	672	655	639	627	618	608	599	590
TT4	1063	1052	1036	1015	985	956	927	902
PT9	11.8	11.4	10.9	10.3	9.4	8.4	7.5	6.4
PTD	13.7	12.6	11.5	10.8	10.4	10.1	9.7	9.3
TT9	1914	1839	1761	1683	1606	1530	1456	1380
TTD	672	655	639	628	618	608	599	590
WAS/WAP	0.0320	0.0313	0.0306	0.0300	0.0293	0.0286	0.0279	0.0275
VENG	1936	1897	1857	1817	1776	1735	1693	1650
VDUCT	1160	1145	1131	1121	1112	1103	1095	1087
AJCDF	5.21	5.21	5.20	5.20	5.20	5.21	5.20	5.21
AJCDD	3.42	3.70	4.07	4.27	4.27	4.27	4.27	4.27

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ALT	36150	WASIZE	640	PT2/PT2P	1.000	WBL3	0.	
MN	0.80	PAM	3.3	PT2	5.0	WBL4	0.	
VA KTS	474	TAM	417	TT2	470	HPEXT	0.	
PART PWR								
FNT	3585	2997	2418	1871	1366	911	512	329
FGT	8251	7441	6651	5861	5104	4394	3737	3415
WAT	187	179	170	160	150	140	130	124
WFT	3465	2986	2541	2147	1806	1513	1255	1137
TSFC	0.967	1.000	1.051	1.148	1.322	1.660	2.448	3.498
BPR	1.78	1.81	1.86	1.89	1.93	1.97	2.05	2.10
WAT2	524	500	476	448	420	391	362	347
N1	4507	4358	4189	4008	3800	3533	3225	3049
N2	6673	6497	6306	6151	5898	5724	5513	5397
PT30	9.4	9.0	8.5	8.0	7.5	7.0	6.5	6.2
PT4	35.9	33.0	30.0	27.1	24.3	21.6	18.8	17.4
TT30	592	574	565	555	544	532	521	515
TT4	879	856	832	807	781	754	722	705
PT9	6.3	5.8	5.3	4.9	4.6	4.3	4.1	3.9
PTD	8.9	8.5	8.0	7.6	7.1	6.5	6.1	5.5
TT9	1304	1230	1159	1092	1029	969	914	888
TTD	593	574	565	555	543	532	522	515
WAS/WAP	0.0268	0.0262	0.0256	0.0251	0.0246	0.0240	0.0235	0.0232
VENG	1605	1464	1336	1192	1057	930	802	740
VDUCT	1080	1072	1063	1054	1043	1032	1007	971
AJCDF	5.21	5.20	5.20	5.21	5.20	5.20	5.21	5.20
AJCDD	4.27	4.27	4.27	4.27	4.27	4.27	4.27	4.27

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ALT	36150	WASIZE	640	PT2/PT2P	1.000	WBL3	0.	
MN	0.90	PAM	3.3	PT2	5.4	WBL4	0.	
VA KTS	534	TAM	417	TT2	485	HPEXT	0.	
PART PWR								
FNT	10018	9220	8594	7760	6750	5755	4963	4236
FGT	17272	16541	15855	14832	13521	12169	11060	10092
WAT	259	259	259	253	242	229	216	209
WFT	9838	9092	8293	7448	6471	5549	4813	4180
TSFC	0.982	0.976	0.965	0.960	0.958	0.964	0.974	0.989
BPR	1.35	1.40	1.45	1.49	1.57	1.66	1.72	1.77
WAT2	663	663	663	646	618	586	559	535
N1	5972	5927	5890	5656	5287	5019	4798	4641
N2	7749	7644	7550	7444	7311	7168	7018	6851
PT30	15.4	14.2	13.1	12.4	12.1	11.6	11.1	10.7
PT4	70.1	67.6	64.8	60.9	55.1	49.3	45.0	41.4
TT30	682	667	651	640	630	620	612	603
TT4	1084	1067	1051	1028	998	966	939	916
PT9	12.7	12.2	11.6	10.9	9.8	8.8	7.9	7.3
PTD	14.7	13.3	12.2	11.7	11.2	10.9	10.2	10.1
TT9	1917	1840	1760	1683	1606	1532	1456	1379
TTD	695	667	651	640	630	620	612	604
WAS/WAP	0.0326	0.0309	0.0302	0.0296	0.0289	0.0282	0.0276	0.0270
VENG	1955	1897	1857	1817	1776	1735	1693	1652
VDUCT	1170	1155	1141	1132	1123	1114	1101	1100
AJCDF	5.21	5.19	5.20	5.20	5.21	5.20	5.20	5.21
AJCDD	3.46	3.77	4.15	4.27	4.27	4.27	4.27	4.27

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ALT	36150	WASIZE	640	PT2/PT2P	1.000	WBL3	0.
[illegible]	0.90	PAM	3.3	PT2	5.4	WBL4	0.
[illegible] KTS	534	TAM	417	TT2	485	HPEXT	0.
PART PWR							
[illegible]	3591	2990	2412	1859	1392	903	697
FGT	9200	8361	7534	6713	5924	5192	4850
WAT	200	192	183	173	163	153	148
[illegible]	3638	3131	2665	2247	1807	1579	1442
[illegible]	1.012	1.048	1.105	1.209	1.395	1.749	2.068
BPR	1.80	1.84	1.88	1.92	1.96	2.00	2.02
WAT2	512	491	468	443	418	392	379
[illegible]	4588	4357	4201	4037	3842	3599	3447
N2	6684	6504	6316	6113	5923	5761	5680
PT30	10.2	9.8	9.3	8.8	8.3	7.8	7.5
[illegible]	38.2	35.2	32.1	29.1	26.3	23.5	22.2
[illegible]	596	589	579	570	560	550	544
TT4	893	870	847	821	796	771	757
[illegible]	6.7	6.1	5.6	5.1	4.8	4.3	4.2
[illegible]	9.8	9.3	8.8	8.3	7.8	7.3	7.1
TT9	1303	1228	1156	1096	1021	959	929
TTD	596	587	579	569	555	550	544
[illegible]	0.0260	0.0259	0.0254	0.0248	0.0243	0.0238	0.0235
[illegible]	1680	1583	1402	1294	1116	986	925
VDUCT	1092	1084	1077	1069	1058	1049	1044
AJCDF	5.21	5.20	5.20	5.20	5.20	5.21	5.20
[illegible]	4.22	4.27	4.27	4.27	4.27	4.27	4.27

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PERFORMANCE WITH FAN AIRBLEED AND NO POWER EXTRACTION

Pages	T_{AMB}	Power Setting	Flow Schedule
B-D49A	STD. Day	Take-Off	Base
B-D50 to B-D57	STD. Day	Max Thrust	Base
B-D58 to B-D59	STD. Day	Max Thrust	High
B-D60 to B-D61	STD. Day	Max Thrust	Low
B-D62 to B-D63	STD. Day	Cruise	Base
B-D64 to B-D65	STD. Day	Cruise	High
B-D66 to B-D67	STD. Day	Cruise	Low
B-D68 to B-D72	STD. Day	Part Power	Base

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ALT          0   WASIZE       640   PT2/PT2P  1.000   WBL3       3.00
MN          0.   RAM         14.7   PT2        14.7   WBL4        0.
VA KTS       0   TAM          519   TT2         519   HPEXT        0.

TAKE OFF MAX D/H                                      MIN D/H NOT LIT

FNT       55701    52459    50936    49352    47703    45954    41350    35934
FGT       55701    52459    50936    49352    47703    45954    41350    35934
WAT         640      640      640      640      640      640      640      640
WFT      111136    81933    74169    66910    60288    53992    40334    27221
TSFC      1.997    1.562    1.456    1.356    1.264    1.175    0.975    0.758
BPR        1.30     1.30     1.30     1.30     1.30     1.30     1.30     1.29
WAT2        640      640      640      640      640      640      640      640

N1         5907     5907     5907     5907     5907     5907     5907     5956
N2         7989     7989     7989     7989     7989     7989     7989     8003
PT3D       39.7     39.7     39.7     39.7     39.7     39.7     39.7     41.9
PT4       174.6    174.6    174.6    174.6    174.6    174.6    174.6    181.9
TT3D        726      726      726      726      726      726      726      739
TT4        1128     1128     1128     1128     1128     1128     1128     1143

PT9        31.7     31.7     31.7     31.7     31.7     31.7     31.7     32.9
PTD        35.4     36.1     36.4     36.6     36.9     37.1     37.6     40.1
TT9        1989     1989     1989     1989     1989     1989     1989     1988
TTD        3560     3000     2750     2500     2250     2000     1408      739
WAS/WAP  0.0471   0.0444   0.0432   0.0419   0.0406   0.0392   0.0358   0.0319
VENG       1970     1970     1970     1970     1970     1970     1970     1970
VDUCT      2617     2407     2307     2203     2093     1976     1667     1216
AJCDE      5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDD      8.85     7.83     7.38     6.93     6.45     6.03     4.90     3.17

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ALT          0   WASIZE       640   PT2/PT2P  1.000   WBL3       3.00
MN        0.20   RAM         14.7   PT2        15.1   WBL4        0.
VA KTS     132   TAM          519   TT2         523   HPEXT        0.

TAKE OFF MAX D/H                                      MIN D/H NOT LIT

FNT       52931    49479    47905    46265    44567    42762    38036    32671
FGT       57351    54007    52433    50797    49094    47290    42565    37200
WAT         653      653      653      653      653      653      653      653
WFT       98767    79949    72433    65730    58781    52590    39246    26623
TSFC      1.866    1.616    1.512    1.419    1.319    1.230    1.032    0.815
BPR        1.31     1.31     1.31     1.31     1.31     1.31     1.31     1.29
WAT2        637      637      637      637      637      637      637      637

N1         5895     5895     5895     5895     5895     5895     5895     5955
N2         7998     7998     7998     7998     7998     7998     7998     8015
PT3D       40.4     40.4     40.4     40.4     40.4     40.4     40.4     42.1
PT4       177.6    177.6    177.6    177.6    177.6    177.6    177.6    184.8
TT3D        729      729      729      729      729      729      729      743
TT4        1132     1132     1132     1132     1132     1132     1132     1148

PT9        32.3     32.3     32.3     32.3     32.3     32.3     32.3     33.4
PTD        36.1     36.7     37.0     37.3     37.6     37.8     39.3     40.9
TT9        1989     1989     1989     1989     1989     1989     1989     1988
TTD        3560     3000     2750     2500     2250     2000     1411      743
WAS/WAP  0.0469   0.0443   0.0430   0.0418   0.0404   0.0391   0.0357   0.0316
VENG       1970     1970     1970     1970     1970     1970     1970     1969
VDUCT      2617     2407     2307     2203     2093     1976     1669     1218
AJCDE      5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDD      8.85     7.86     7.40     6.96     6.50     6.05     4.92     3.18

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ALT          0   WASIZE       640   PT2/PT2P  1.000   WBL3       3.00
MN        0.40   RAM         14.7   PT2        16.4   WBL4        0.
VA KTS     265   TAM          519   TT2         535   HPEXT        0.

TAKE OFF MAX D/H                                      MIN D/H NOT LIT

FNT       52827    49132    47402    45606    43738    41759    36662    30603
FGT       62412    59727    56992    55196    53328    51349    46252    40193
WAT         691      691      691      691      691      691      691      691
WFT      103930    83971    75896    68360    61490    54955    41029    27458
TSFC      1.967    1.709    1.601    1.499    1.406    1.316    1.119    0.897
BPR        1.33     1.33     1.33     1.33     1.33     1.33     1.33     1.31
WAT2        629      629      629      629      629      629      629      629

N1         5859     5859     5859     5859     5859     5859     5859     5913
N2         8026     8026     8026     8026     8026     8026     8026     8045
PT3D       42.7     42.7     42.7     42.7     42.7     42.7     42.7     44.7
PT4       186.3    186.3    186.3    186.3    186.3    186.3    186.3    194.1
TT3D        738      738      738      738      738      738      738      752
TT4        1144     1144     1144     1144     1144     1144     1144     1160

PT9        33.8     33.8     33.8     33.8     33.8     33.8     33.8     35.1
PTD        38.0     38.7     39.0     39.3     39.6     39.8     40.4     43.1
TT9        1988     1988     1988     1988     1988     1988     1988     1987
TTD        3560     3000     2750     2500     2250     2000     1419      752
WAS/WAP  0.0464   0.0438   0.0426   0.0413   0.0400   0.0386   0.0353   0.0310
VENG       1970     1970     1970     1970     1970     1970     1970     1969
VDUCT      2617     2407     2308     2203     2093     1976     1673     1226
AJCDE      5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDD      8.99     7.96     7.50     7.04     6.58     6.12     4.99     3.29

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ALT       6000   WASIZE       640   PT2/PT2P  1.000   WBL3       3.00
MN          0.   RAM         11.8   PT2        11.8   WBL4        0.
VA KTS       0   TAM          497   TT2         497   HPEXT        0.

TAKE OFF MAX D/H                                      MIN D/H NOT LIT

FNT       47736    45011    43705    42348    40935    39439    35386    30657
FGT       47736    45011    43705    42348    40935    39439    35386    30657
WAT         536      536      536      536      536      536      536      536
WFT       82620    67021    60727    54869    49510    44421    33093    22494
TSFC      1.724    1.489    1.389    1.296    1.209    1.126    0.935    0.734
BPR        1.29     1.29     1.29     1.29     1.29     1.29     1.29     1.28
WAT2        655      655      655      655      655      655      655      655

N1         5962     5962     5962     5962     5962     5962     5962     6004
N2         7935     7935     7935     7935     7935     7935     7935     7952
PT3D       33.1     33.1     33.1     33.1     33.1     33.1     33.1     34.8
PT4       146.8    146.8    146.8    146.8    146.8    146.8    146.8    152.2
TT3D        708      708      708      708      708      708      708      721
TT4        1105     1105     1105     1105     1105     1105     1105     1119

PT9        26.8     26.8     26.8     26.8     26.8     26.8     26.8     27.7
PTD        29.8     30.3     30.6     30.9     31.0     31.2     31.6     33.6
TT9        1990     1990     1990     1990     1990     1990     1990     1990
TTD        3560     3000     2750     2500     2250     2000     1391      721
WAS/WAP  0.0481   0.0454   0.0441   0.0428   0.0415   0.0401   0.0365   0.0321
VENG       1971     1971     1971     1971     1971     1971     1971     1970
VDUCT      2617     2407     2307     2203     2093     1976     1657     1201
AJCDE      5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.21
AJCDD      8.77     7.76     7.32     6.87     6.42     5.97     4.82     3.11

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ALT       6000   WASIZE       640   PT2/PT2P  1.000   WBL3       3.00
MN        0.23   RAM         11.8   PT2        12.1   WBL4        0.
VA KTS     133   TAM          497   TT2         501   HPEXT        0.

TAKE OFF MAX D/H                                      MIN D/H NOT LIT

FNT       45514    42634    41283    39882    38423    36879    32726    27853
FGT       49229    46349    44998    43597    42138    40594    36441    31568
WAT         547      547      547      547      547      547      547      547
WFT       82970    67204    60879    54990    49606    44493    33171    22517
TSFC      1.821    1.576    1.475    1.379    1.291    1.206    1.014    0.808
BPR        1.29     1.29     1.29     1.29     1.29     1.29     1.29     1.28
WAT2        652      652      652      652      652      652      652      652

N1         5953     5953     5953     5953     5953     5953     5953     5994
N2         7943     7943     7943     7943     7943     7943     7943     7960
PT3D       34.0     34.0     34.0     34.0     34.0     34.0     34.0     35.4
PT4       149.6    149.6    149.6    149.6    149.6    149.6    149.6    155.2
TT3D        712      712      712      712      712      712      712      724
TT4        1109     1109     1109     1109     1109     1109     1109     1124

PT9        27.2     27.2     27.2     27.2     27.2     27.2     27.2     28.2
PTD        30.4     31.0     31.2     31.4     31.7     31.9     32.3     34.3
TT9        1989     1989     1989     1989     1989     1989     1989     1990
TTD        3560     3000     2750     2500     2250     2000     1395      724
WAS/WAP  0.0465   0.0452   0.0439   0.0426   0.0413   0.0399   0.0363   0.0319
VENG       1970     1970     1970     1970     1970     1970     1970     1970
VDUCT      2617     2407     2307     2203     2093     1976     1659     1203
AJCDE      5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDD      8.77     7.76     7.31     6.87     6.42     5.97     4.83     3.12

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ALT       6000   WASIZE       640   PT2/PT2P  1.000   WBL3       3.00
MN        0.40   RAM         11.8   PT2        13.2   WBL4        0.
VA KTS     253   TAM          497   TT2         513   HPEXT        0.

TAKE OFF MAX D/H                                      MIN D/H NOT LIT

FNT       45654    42507    41026    39495    37904    36221    31765    26479
FGT       53525    50373    48897    47366    45775    44092    39636    34350
WAT         579      579      579      579      579      579      579      579
WFT       87333    70754    64052    57806    52104    46684    34839    23547
TSFC      1.913    1.665    1.561    1.464    1.375    1.289    1.097    0.889
BPR        1.30     1.30     1.30     1.30     1.30     1.30     1.30     1.29
WAT2        644      644      644      644      644      644      644      644

N1         5918     5918     5918     5918     5918     5918     5918     5964
N2         7970     7970     7970     7970     7970     7970     7970     7983
PT3D       35.9     35.9     35.9     35.9     35.9     35.9     35.9     37.5
PT4       158.0    158.0    158.0    158.0    158.0    158.0    158.0    164.0
TT3D        721      721      721      721      721      721      721      734
TT4        1122     1122     1122     1122     1122     1122     1122     1137

PT9        28.8     28.8     28.8     28.8     28.8     28.8     28.8     29.8
PTD        32.0     32.6     32.8     33.1     33.3     33.5     34.0     36.2
TT9        1990     1990     1990     1990     1990     1990     1990     1989
TTD        3560     3000     2750     2500     2250     2000     1403      734
WAS/WAP  0.0473   0.0447   0.0434   0.0421   0.0408   0.0394   0.0360   0.0316
VENG       1970     1970     1970     1970     1970     1970     1970     1970
VDUCT      2617     2407     2307     2203     2093     1974     1664     1211
AJCDE      5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.21
AJCDD      8.85     7.83     7.39     6.94     6.49     6.03     4.89     3.16

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DOWNGRADED AT 3 YEAR INTERVALS;
DECLASSIFIED AFTER 12 YEARS.
DOD DIR 5200.10

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ALT          0   WASIZE      640   PT2/PT2P  1.000   WBL3      3.00
MO          0.   PAM        14.7   PT2        14.7   WBL4       0.
VA KTS       0   TAM         519   TT2         519   HPEXT      0.

MAXTHR   MAX D/H                                     MIN D/H NOT LIT

FNT       55701   52459   50936   49152   47703   45954   41350   35534
FGT       55701   52459   50936   49152   47703   45954   41350   35534
WAT         640     640     640     640     640     640     640     640
WFT      101174   81953   74168   66910   60288   53992   40336   27221
TSFC      1.817   1.562   1.456   1.355   1.264   1.175   0.975   0.758
BPR        1.30    1.30    1.30    1.30    1.30    1.30    1.30    1.29
WAT2        640     640     640     640     640     640     640     640

N1         5907    5907    5907    5907    5907    5907    5907    5954
N2         7989    7989    7989    7989    7989    7989    7989    8003
PT3D       39.7    39.7    39.7    39.7    39.7    39.7    39.7    41.5
PT4       174.6   174.6   174.6   174.6   174.6   174.6   174.6   181.3
TT3D        726     726     726     726     726     726     726     739
TT4        1128    1128    1128    1128    1128    1128    1128    1143

PT9        31.7    31.7    31.7    31.7    31.7    31.7    31.7    32.9
PTD        35.4    36.1    36.4    36.6    36.8    37.1    37.6    40.1
TT9        1989    1989    1989    1989    1989    1989    1989    1988
TTD        3560    3000    2750    2500    2250    2000    1408     739
WAS/WAP  0.0471  0.0444  0.0432  0.0419  0.0406  0.0392  0.0358  0.0315
VENG       1970    1970    1970    1970    1970    1970    1970    1970
VDUCT      2617    2407    2307    2203    2093    1976    1667    1216
AJCDE      5.21    5.21    5.21    5.21    5.21    5.21    5.21    5.21
AJCDD      8.85    7.83    7.38    6.93    6.48    6.03    4.90    3.17

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ALT          0   WASIZE      640   PT2/PT2P  1.000   WBL3      3.00
MO         0.20  PAM        14.7   PT2        15.1   WBL4       0.
VA KTS      132  TAM         519   TT2         523   HPEXT      0.

MAXTHR   MAX D/H                                     MIN D/H NOT LIT

FNT       52831   49479   47905   46265   44567   42762   38036   32471
FGT       57351   54007   52431   50757   49098 [illegible] 42565 [illegible]
WAT         653     653     653     653     653     653     653     653
WFT       98767   79949   72333   65233   58783 [illegible] 39246 [illegible]
TSFC      1.869   1.616   1.510   1.410   1.318 [illegible] 1.031 [illegible]
BPR        1.31    1.31    1.31    1.31    1.31    1.31    1.31    1.29
WAT2        637     637     637     637     637     637     637     637

N1         5895    5895    5895    5895    5895    5895    5895 [illegible]
N2         7998    7998    7998    7998    7998    7998    7998 [illegible]
PT3D       40.4    40.4    40.4    40.4    40.4    40.4    40.4 [illegible]
PT4       177.6   177.6   177.6   177.6   177.6   177.6   177.6   184.6
TT3D        729     729     729     729     729     729     729 [illegible]
TT4        1132    1132    1132    1132    1132    1132    1132    1149

PT9        32.3    32.3    32.3    32.3    32.3    32.3    32.3    33.4
PTD        36.1    36.7    37.0    37.3    37.6    37.9    38.4 [illegible]
TT9        1989    1989    1989    1989    1989    1989    1989    1988
TTD        3560    3000    2750    2500    2250    2000    1411 [illegible]
WAS/WAP  0.0469  0.0443  0.0430  0.0417  0.0404  0.0391 [illegible] 0.0314
VENG       1970    1970    1970    1970    1970    1970    1970 [illegible]
VDUCT      2617    2407    2307    2203    2093    1976    1665    1218
AJCDE      5.21    5.21    5.21    5.21    5.21    5.21    5.21    5.21
AJCDD      8.88    7.86    7.40    6.96    6.50    6.05    4.92    3.18

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ALT          0   WASIZE      640   PT2/PT2P  1.000   WBL3      3.00
MO         0.40  PAM        14.7   PT2        16.4   WBL4       0.
VA KTS      265  TAM         519   TT2         535   HPEXT      0.

MAXTHR   MAX D/H   -                                 MIN D/H NOT LIT

FNT       52422   49132   47402   45606   43738   41759   36667   30603
FGT       62412   58722   56992   55196   53328   51349   46252   40193
WAT         691     691     691     691     691     691     691     691
WFT      103930   83971   75896   68360   61490   54955   41029   27458
TSFC      1.967   1.709   1.601   1.499   1.406   1.316   1.119   0.897
BPR        1.33    1.33    1.33    1.33    1.33    1.33    1.33    1.31
WAT2        629     629     629     629     629     629     629     629

N1         5859    5859    5859    5859    5859    5859    5859    5913
N2         8026    8026    8026    8026    8026    8026    8026    8045
PT3D       42.7    42.7    42.7    42.7    42.7    42.7    42.7    44.7
PT4       186.3   186.3   186.3   186.3   186.3   186.3   186.3   194.1
TT3D        738     738     738     738     738     738     738     752
TT4        1144    1144    1144    1144    1144    1144    1144    1160

PT9        33.8    33.8    33.8    33.8    33.8    33.8    33.8    35.1
PTD        38.0    38.7    39.0    39.3    39.6    39.8    40.4    43.1
TT9        1988    1988    1988    1988    1988    1988    1988    1987
TTD        3560    3000    2750    2500    2250    2000    1419     752
WAS/WAP  0.0464  0.0438  0.0426  0.0413  0.0400  0.0386  0.0353  0.0310
VENG       1970    1970    1970    1970    1970    1970    1970    1969
VDUCT      2617    2407    2308    2203    2093    1976    1673    1226
AJCDE      5.21    5.21    5.21    5.21    5.21    5.21    5.21    5.21
AJCDD      8.99    7.96    7.50    7.04    6.58    6.12    4.99    3.23

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ALT          0   WASIZE      640   PT2/PT2P  1.000   WBL3      3.00
MO         0.60  PAM        14.7   PT2        18.7   WBL4       0.
VA KTS      397  TAM         519   TT2         556   HPEXT      0.

MAXTHR   MAX D/H                                     MIN D/H NOT LIT

FNT       55364   51177   49070   46989   44827   42538   36788   29844
FGT       71127   66940   64834   62752   60591   58302   52551   45607
WAT         757     757     757     757     757     757     757     757
WFT      113909   91770   82787   74394   66744   59469   44285   29195
TSFC      2.057   1.797   1.687   1.583   1.489   1.398   1.204   0.978
BPR        1.38    1.38    1.38    1.38    1.38    1.38    1.38    1.35
WAT2        615     615     615     615     615     615     615     615

N1         5787    5787    5787    5787    5787    5787    5787    5851
N2         8071    8071    8071    8071    8071    8071    8071    8093
PT3D       46.4    46.4    46.4    46.4    46.4    46.4    46.4    48.7
PT4       199.8   199.8   199.8   199.8   199.8   199.8   199.8   208.9
TT3D        753     753     753     753     753     753     753     766
TT4        1162    1162    1162    1162    1162    1162    1162    1179

PT9        36.2    36.2    36.2    36.2    36.2    36.2    36.2    37.8
PTD        41.1    41.9    42.2    42.5    42.9    43.2    43.7    46.9
TT9        1988    1989    1989    1988    1988    1988    1988    1987
TTD        3560    3000    2750    2500    2250    2000    1432     766
WAS/WAP  0.0457  0.0430  0.0418  0.0405  0.0392  0.0379  0.0346  0.0304
VENG       1970    1970    1970    1970    1970    1970    1970    1969
VDUCT      2617    2407    2308    2203    2093    1976    1680    1237
AJCDE      5.20    5.20    5.20    5.20    5.20    5.20    5.20    5.21
AJCDD      9.26    8.19    7.72    7.25    6.77    6.29    5.16    3.34

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ALT          0   WASIZE      640   PT2/PT2P  1.000   WBL3      3.00
MO         0.70  PAM        14.7   PT2        20.4   WBL4       0.
VA KTS      463  TAM         519   TT2         569   HPEXT      0.

MAXTHR   MAX D/H                                     MIN D/H NOT LIT

FNT       57615   52905   50702   48418   46048   43539   37344   29690
FGT       77093   72371   70170   67886   65516   63007   56812   49158
WAT         802     802     802     802     802     802     802     802
WFT      120670   97005   87394   78410   70219   62431   46408   30204
TSFC      2.094   1.834   1.724   1.619   1.525   1.434   1.243   1.017
BPR        1.42    1.42    1.42    1.42    1.42    1.42    1.42    1.39
WAT2        606     606     606     606     606     606     606     606

N1         5740    5740    5740    5740    5740    5740    5740    5799
N2         8098    8098    8098    8098    8098    8098    8098    8121
PT3D       49.0    49.0    49.0    49.0    49.0    49.0    49.0    51.3
PT4       208.2   208.2   208.2   208.2   208.2   208.2   208.2   217.6
TT3D        762     762     762     762     762     762     762     774
TT4        1173    1173    1173    1173    1173    1173    1173    1190

PT9        37.7    37.7    37.7    37.7    37.7    37.7    37.7    39.4
PTD        43.2    44.1    44.5    44.8    45.2    45.5    46.1    49.3
TT9        1988    1988    1988    1988    1988    1988    1988    1988
TTD        3560    3000    2750    2500    2250    2000    1440     774
WAS/WAP  0.0452  0.0426  0.0414  0.0401  0.0388  0.0374  0.0342  0.0300
VENG       1970    1970    1970    1970    1970    1970    1970    1969
VDUCT      2617    2407    2308    2203    2093    1976    1685    1244
AJCDE      5.21    5.21    5.21    5.21    5.21    5.21    5.21    5.20
AJCDD      9.42    8.33    7.84    7.36    6.89    6.39    5.76    3.42

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ALT      15000   WASIZE      640   PT2/PT2P  1.000   WBL3      3.00
MO         0.20  PAM         8.3   PT2         8.5   WBL4       0.
VA KTS      125  TAM         465   TT2         469   HPEXT      0.

MAXTHR   MAX D/H                                     MIN D/H NOT LIT

FNT       35490   33243   32196   31111   29978   28786   25422   21534
FGT  [illegible]  35947   34900   33814   32681   31489   28125   24237
WAT         411     411     411     411     411     411     411     411
WFT       62741   50981   46256   41872   37834   34015   25203   17237
TSFC      1.768   1.534   1.437   1.346   1.262   1.182   0.991   0.800
BPR        1.28    1.28    1.28    1.28    1.28    1.29    1.28    1.29
WAT2        674     674     674     674     674     674     674     674

N1         6045    6045    6045    6045    6045    6045    6045    6083
N2         7885    7885    7885    7885    7885    7885    7885    7910
PT3D       25.6    25.6    25.6    25.6    25.6    25.6    25.6    26.7
PT4       112.7   112.7   112.7   112.7   112.7   112.7   112.7   116.6
TT3D        683     683     683     683     683     683     683     695
TT4        1073    1073    1073    1073    1073    1073    1073    1088

PT9        20.6    20.6    20.6    20.6    20.6    20.6    20.6    21.3
PTD        22.9    23.3    23.5    23.7    23.8    24.0    24.3    25.8
TT9        1993    1993    1993    1993    1993    1993    1993    1972
TTD        3560    3000    2750    2500    2250    2000    1368     695
WAS/WAP  0.0495  0.0467  0.0454  0.0441  0.0427  0.0413  0.0374  0.0320
VENG       1972    1972    1972    1972    1972    1972    1972    1971
VDUCT      2617    2407    2307    2203    2093    1976    1643    1179
AJCDE      5.20    5.20    5.20    5.20    5.20    5.20    5.20    5.21
AJCDD      8.72    7.71    7.27    6.83    6.35    5.94    4.74    3.04

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ALT        15000   WASIZE       640   PT2/PT2P  1.000    WBL3       3.00
MO          0.45   PAM          8.3   PT2         9.5    WBL4       0.
VA KTS       281   TAM          465   TT2         484    HPEXT      0.

MAXTHR     MAX O/H                                       MIN O/H NOT LIT

FNT        35454    33616    32247    31079    29640    28339    24926    20704
FGT        41507    39157    38004    36815    35571    34275   [illegible] 26442
WAT          436      436      436      436      436      436      436      436
WFT        65662    55991    48872    44207    39421    35665    26631    18169
TSFC       1.853    1.665    1.515    1.422    1.330    1.257    1.068    0.878
BPR         1.29     1.29     1.29     1.29     1.29     1.29     1.29     1.28
WAT2         665      665      665      665      665      665      665      665

N1          6006     6006     6006     6006     6006     6006     6006     6045
N2          7936     7936     7936     7936     7936     7936     7936     7418
PT30        27.1     27.1     27.1     27.1     27.1     27.1     27.1     28.5
PT4        119.5    119.5    119.5    119.5    119.5    119.5    119.5    123.8
TT30         693      693      693      693      693      693      693      725
TT4         1085     1085     1085     1085     1085     1085     1085     1100

PT9         21.8     21.8     21.8     21.8     21.8     21.8     21.8     22.6
PT0         24.3     24.7     24.9     25.1     25.3     25.4     25.8     27.4
TT9         1992     1992     1992     1992     1992     1992     1992     1992
TT0         3560     3000     2750     2500     2250     2000     1577      705
WAS/WAP   0.0449   0.0442   0.0439   0.0434   0.0422   0.0408   0.0370   0.0325
VENG        1971     1971     1971     1971     1971     1971     1971     1971
VDUCT       2617     2407     2307     2203     2093     1976     1669     1157
AJCDE       5.22     5.22     5.20     5.20     5.20     5.20     5.20     5.21
AJCDO       8.74     7.77     7.29     6.85     6.47     5.95     4.77     3.07

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ALT        15000   WASIZE       640   PT2/PT2P  1.000    WBL3       3.00
MO          0.50   PAM          8.3   PT2         9.8    WBL4       0.
VA KTS       313   TAM          465   TT2         488    HPEXT      0.

MAXTHR     MAX O/H                                       MIN O/H NOT LIT

FNT        36752    34123    32304    31636    30314    28928    25126    20645
FGT        44245    41621    40396    39124    37912    36421    32614    28141
WAT          456      456      456      456      456      456      456      456
WFT        69142    56145    50891    46006    41572    37281    27716    18865
TSFC       1.881    1.645    1.575    1.454    1.371    1.289    1.103    0.914
BPR         1.29     1.29     1.29     1.29     1.29     1.29     1.29     1.24
WAT2         661      661      661      661      661      661      661      661

N1          5982     5982     5982     5982     5982     5982     5982     6022
N2          7909     7909     7909     7909     7909     7909     7909     7527
PT30        28.3     28.3     28.3     28.3     28.3     28.3     28.3     29.5
PT4        124.7    124.7    124.7    124.7    124.7    124.7    124.7    129.2
TT30         700      700      700      700      700      700      700      712
TT4         1094     1094     1094     1094     1094     1094     1094     1104

PT9         22.8     22.9     22.4     22.4     22.8     22.8     22.9     23.4
PT0         25.3     25.5     26.0     26.1     26.3     26.5     26.9     28.6
TT9         1992     1992     1992     1992     1992     1992     1992     1951
TT0         3560     3000     2750     2500     2250     2000     1366      727
WAS/WAP   0.0465   0.0458   0.0445   0.0432   0.0418   0.0404   0.0367   0.0323
VENG        1971     1971     1971     1971     1971     1971     1971     1971
VDUCT       2617     2407     2307     2203     2093     1976     1653     1163
AJCDE       5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDO       8.79     7.77     7.32     6.88     6.43     5.98     4.61     3.34

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ALT        15000   WASIZE       640   PT2/PT2P  1.000    WBL3       3.00
MO          0.60   PAM          8.3   PT2        10.6    WBL4       0.
VA KTS       375   TAM          465   TT2         498    HPEXT      0.

MAXTHR     MAX O/H                                       MIN O/H NOT LIT

FNT        36257    35224    33903    32536    31116    29620    25596    20791
FGT        47525    44672    43371    42034    40584    39058    35052    30259
WAT          480      480      480      480      480      480      480      480
WFT        70673    58935    53389    48229    43509    39027    29047    19712
TSFC       1.949    1.673    1.575    1.482    1.398    1.318    1.135    0.948
BPR         1.29     1.29     1.29     1.27     1.29     1.29     1.29     1.28
WAT2         654      654      654      654      654      654      654      654

N1          5953     5953     5953     5953     5953     5953     5953     5995
N2          7928     7928     7928     7928     7928     7928     7928     7944
PT30        29.7     29.7     29.7     29.7     29.7     29.7     29.7     31.0
PT4        131.1    131.1    131.1    131.1    131.1    131.1    131.1    135.9
TT30         708      708      708      708      708      708      708      721
TT4         1106     1106     1106     1106     1106     1106     1106     1120

PT9         23.9     23.9     23.9     23.9     23.9     23.9     23.9     24.7
PT0         26.5     27.0     27.2     27.4     27.6     27.8     28.2     30.0
TT9         1991     1991     1991     1991     1991     1991     1991     1991
TT0         3560     3000     2750     2500     2250     2000     1391      721
WAS/WAP   0.0467   0.0453   0.0440   0.0427   0.0414   0.0400   0.0364   0.0320
VENG        1971     1971     1971     1971     1971     1971     1971     1971
VDUCT       2617     2407     2307     2203     2093     1976     1657     1200
AJCDE       5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.21
AJCDO       8.84     7.82     7.37     6.92     6.47     6.02     4.85     3.13

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ALT        15000   WASIZE       640   PT2/PT2P  1.000    WBL3       3.00
MO          0.80   PAM          8.3   PT2        12.6    WBL4       0.
VA KTS       501   TAM          465   TT2         525    HPEXT      0.

MAXTHR     MAX O/H                                       MIN O/H NOT LIT

FNT        41972    38565    36980    35341    33642    31851    27197    21557
FGT        56270    52863    51277    49495    47740    45151    41425    35855
WAT          544      544      544      544      544      544      544      544
WFT        81993    66253    59923    54021    48637    43517    31444    21806
TSFC       1.951    1.718    1.620    1.529    1.446    1.366    1.156    1.012
BPR         1.32     1.32     1.32     1.32     1.32     1.32     1.32     1.30
WAT2         636      636      636      636      636      636      636      636

N1          5881     5881     5881     5881     5881     5881     5881     5931
N2          7989     7989     7989     7989     7989     7989     7989     8205
PT30        33.4     33.4     33.4     33.4     33.4     33.4     33.4     35.2
PT4        147.1    147.1    147.1    147.1    147.1    147.1    147.1    153.2
TT30         729      729      729      729      729      729      729      742
TT4         1133     1133     1133     1133     1133     1133     1133     1149

PT9         26.8     26.8     26.8     26.8     26.8     26.8     26.8     27.7
PT0         29.7     30.3     30.6     30.9     31.0     31.2     31.6     33.9
TT9         1990     1990     1990     1990     1990     1990     1990     1969
TT0         3560     3000     2750     2500     2250     2000     1410      742
WAS/WAP   0.0469   0.0442   0.0435   0.0417   0.0404   0.0390   0.0356   0.0313
VENG        1971     1971     1971     1971     1971     1971     1971     1970
VDUCT       2617     2407     2307     2203     2093     1976     1564     1219
AJCDE       5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.21
AJCDO       8.49     7.96     7.50     7.04     6.58     6.12     4.98     3.21

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ALT        15000   WASIZE       640   PT2/PT2P  1.000    WBL3       3.00
MO          1.00   PAM          8.3   PT2        15.7    WBL4       0.
VA KTS       625   TAM          465   TT2         558    HPEXT      0.

MAXTHR     MAX O/H                                       MIN O/H NOT LIT

FNT        47675    43619    41441    39397    37283    35056    29492    22587
FGT        68424    64169    62189    60146    58032    55805    50240    43335
WAT          631      631      631      631      631      631      631      631
WFT        95235    76555    69032    62006    55598    49505    36781    24129
TSFC       1.995    1.755    1.666    1.574    1.491    1.412    1.247    1.068
BPR         1.40     1.40     1.40     1.40     1.40     1.40     1.40     1.37
WAT2         613      613      613      613      613      613      613      613

N1          5769     5769     5769     5769     5769     5769     5769     5831
N2          8063     8063     8063     8063     8063     8063     8063     8085
PT30        38.4     38.4     38.4     38.4     38.4     38.4     38.4     40.3
PT4        165.3    165.3    165.3    165.3    165.3    165.3    165.3    172.7
TT30         752      752      752      752      752      752      752      765
TT4         1163     1163     1163     1163     1163     1163     1163     1179

PT9         30.0     30.0     30.0     30.0     30.0     30.0     30.0     31.3
PT0         33.9     34.5     34.8     35.1     35.4     35.6     36.1     38.7
TT9         1990     1990     1990     1990     1990     1990     1990     1989
TT0         3560     3000     2750     2500     2250     2000     1431      765
WAS/WAP   0.0456   0.0430   0.0417   0.0405   0.0392   0.0378   0.0345   0.0303
VENG        1971     1971     1971     1971     1971     1971     1971     1970
VDUCT       2617     2407     2309     2203     2093     1976     1680     1236
AJCDE       5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDO       9.41     8.32     7.86     7.36     6.87     6.39     5.23     3.39

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ALT        25000   WASIZE       640   PT2/PT2P  1.000    WBL3       3.00
MO          0.20   PAM          5.5   PT2         5.6    WBL4       0.
VA KTS       120   TAM          430   TT2         433    HPEXT      0.

MAXTHR     MAX O/H                                       MIN O/H NOT LIT

FNT        24628    23079    22353    21595    20810    19983    17445    14601
FGT        26436    24887    24160    23407    22617    21791    19253    16409
WAT          286      286      286      286      286      286      286      286
WFT        43493    35233    31946    29349    26084    23425    16875    11301
TSFC       1.766    1.527    1.429    1.359    1.253    1.172    0.967    0.774
BPR         1.30     1.30     1.30     1.30     1.30     1.30     1.30     1.30
WAT2         684      684      684      684      684      684      684      684

N1          5979     5979     5979     5979     5979     5979     5979     6014
N2          7664     7664     7664     7664     7664     7664     7664     7597
PT30        17.1     17.1     17.1     17.1     17.1     17.1     17.1     17.8
PT4         75.9     75.9     75.9     75.9     75.9     75.9     75.9     79.5
TT30         634      634      634      634      634      634      634      645
TT4         1011     1011     1011     1011     1011     1011     1011     1026

PT9         13.8     13.8     13.8     13.8     13.8     13.8     13.8     14.3
PT0         15.2     15.5     15.6     15.7     15.9     16.0     16.3     17.3
TT9         1900     1900     1900     1900     1900     1900     1900     1900
TT0         3560     3000     2750     2500     2250     2000     1323      645
WAS/WAP   0.0512   0.0483   0.0469   0.0455   0.0440   0.0425   0.0381   0.0332
VENG        1927     1927     1927     1927     1927     1927     1927     1927
VDUCT       2617     2407     2307     2203     2092     1976     1617     1136
AJCDE       5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDO       9.15     8.08     7.61     7.14     6.67     6.19     4.85     3.05

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ALT	25000	WASIZE	640	PT2/PT2P	1.000	WBL3	3.00
MO	0.40	PAM	5.5	PT2	6.1	WBL4	0.
VA KTS	241	TAM	430	TT2	444	HPEXT	0.

MAXTHR	MAX D/H						MIN D/H	NOT LIT
FNT	25746	24297	23150	22333	21448	20518	17750	14597
FGT	29631	27885	27067	26220	25335	24406	21637	18485
WAT	308	308	308	308	308	308	308	308
WFT	47041	38163	34620	31350	28301	25435	18509	12508
TSFC	1.827	1.590	1.494	1.404	1.320	1.240	1.043	0.857
BPR	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30
WAT2	686	686	686	686	686	686	686	686
N1	6065	6065	6065	6065	6065	6065	6065	6101
N2	7762	7762	7762	7762	7762	7762	7762	7795
PT30	18.5	18.5	18.5	18.5	18.5	18.5	18.5	19.3
PT4	82.6	82.6	82.6	82.6	82.6	82.6	82.6	85.4
TT30	649	649	649	649	649	649	649	659
TT4	1036	1036	1036	1036	1036	1036	1036	1050
PT9	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.6
PTD	16.5	16.8	17.0	17.1	17.2	17.3	17.6	18.7
TT9	1949	1949	1949	1949	1949	1949	1949	1949
TTD	3560	3000	2750	2500	2250	2000	1337	659
WAS/WAP	0.0508	0.0479	0.0465	0.0452	0.0437	0.0422	0.0380	0.0332
VENG	1951	1951	1951	1951	1951	1951	1951	1951
VDUCT	2617	2407	2307	2203	2093	1976	1625	1148
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
AJCDD	9.10	8.03	7.56	7.10	6.63	6.16	4.85	3.07

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ALT	25000	WASIZE	640	PT2/PT2P	1.000	WBL3	3.00
MO	0.80	PAM	5.5	PT2	8.1	WBL4	0.
VA KTS	482	TAM	430	TT2	485	HPEXT	0.

MAXTHR	MAX D/H						MIN D/H	NOT LIT
FNT	31698	29201	27863	26646	25405	24100	20518	16266
FGT	41315	38820	37660	36461	35222	33917	30135	25083
WAT	389	389	389	389	389	389	389	389
WFT	59030	47495	43409	39250	35433	31816	23611	16068
TSFC	1.862	1.651	1.559	1.473	1.395	1.320	1.151	0.988
BPR	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29
WAT2	663	663	663	663	663	663	663	663
N1	5987	5987	5987	5987	5987	5987	5987	6027
N2	7889	7889	7889	7889	7889	7889	7889	7907
PT30	24.0	24.0	24.0	24.0	24.0	24.0	24.0	25.0
PT4	106.0	106.0	106.0	106.0	106.0	106.0	106.0	109.8
TT30	695	695	695	695	695	695	695	707
TT4	1089	1089	1089	1089	1089	1089	1089	1104
PT9	19.4	19.4	19.4	19.4	19.4	19.4	19.4	20.0
PTD	21.6	21.8	22.0	22.2	22.3	22.5	22.8	24.2
TT9	1993	1993	1993	1993	1993	1993	1993	1993
TTD	3560	3000	2750	2500	2250	2000	1379	707
WAS/WAP	0.0487	0.0460	0.0447	0.0434	0.0420	0.0406	0.0369	0.0324
VENG	1972	1972	1972	1972	1972	1972	1972	1972
VDUCT	2617	2407	2307	2203	2093	1976	1650	1189
AJCDE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.21
AJCDD	8.93	7.81	7.36	6.91	6.46	6.01	4.82	3.10

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ALT	25000	WASIZE	640	PT2/PT2P	0.997	WBL3	3.00
MO	1.10	PAM	5.5	PT2	11.6	WBL4	0.
VA KTS	662	TAM	430	TT2	534	HPEXT	0.

MAXTHR	MAX D/H						MIN D/H	NOT LIT
FNT	38724	35267	33665	32013	30105	28510	23894	18224
FGT	55771	52314	50717	49060	47352	45557	40940	35271
WAT	491	491	491	491	491	491	491	491
WFT	73891	59631	53941	48577	43686	39033	29045	19379
TSFC	1.908	1.691	1.602	1.517	1.442	1.369	1.216	1.063
BPR	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.33
WAT2	630	630	630	630	630	630	630	630
N1	5847	5847	5847	5847	5847	5847	5847	5900
N2	7999	7999	7999	7999	7999	7999	7999	8018
PT30	29.9	29.9	29.9	29.9	29.9	29.9	29.9	31.3
PT4	131.3	131.3	131.3	131.3	131.3	131.3	131.3	136.7
TT30	733	733	733	733	733	733	733	746
TT4	1141	1141	1141	1141	1141	1141	1141	1156
PT9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	24.8
PTD	26.5	27.0	27.2	27.4	27.6	27.8	28.2	30.2
TT9	1992	1992	1992	1992	1992	1992	1992	1991
TTD	3560	3000	2750	2500	2250	2000	1414	746
WAS/WAP	0.0465	0.0439	0.0426	0.0414	0.0400	0.0387	0.0353	0.0310
VENG	1971	1971	1971	1971	1971	1971	1971	1971
VDUCT	2617	2407	2308	2203	2093	1976	1670	1221
AJCDE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.21
AJCDD	9.19	8.12	7.65	7.19	6.72	6.24	5.08	3.28

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ALT	25000	WASIZE	640	PT2/PT2P	0.991	WBL3	3.00
MO	1.20	PAM	5.5	PT2	13.1	WBL4	0.
VA KTS	722	TAM	430	TT2	554	HPEXT	0.

MAXTHR	MAX D/H						MIN D/H	NOT LIT
FNT	41645	37753	35949	34090	32170	30151	25079	18765
FGT	61839	57947	56143	54284	52364	50345	45273	38959
WAT	533	533	533	533	533	533	533	533
WFT	80295	64670	58333	52415	47021	41890	31093	20441
TSFC	1.928	1.713	1.623	1.538	1.462	1.389	1.240	1.089
BPR	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.37
WAT2	616	616	616	616	616	616	616	616
N1	5778	5778	5778	5778	5778	5778	5778	5839
N2	8042	8042	8042	8042	8042	8042	8042	8064
PT30	32.2	32.2	32.2	32.2	32.2	32.2	32.2	33.8
PT4	139.6	139.6	139.6	139.6	139.6	139.6	139.6	145.8
TT30	747	747	747	747	747	747	747	760
TT4	1157	1157	1157	1157	1157	1157	1157	1174
PT9	25.3	25.3	25.3	25.3	25.3	25.3	25.3	26.4
PTD	28.6	28.9	29.2	29.4	29.7	29.9	30.3	32.5
TT9	1991	1991	1991	1991	1991	1991	1991	1590
TTD	3560	3000	2750	2500	2250	2000	1427	760
WAS/WAP	0.0458	0.0432	0.0419	0.0407	0.0393	0.0380	0.0347	0.0304
VENG	1971	1971	1971	1971	1971	1971	1971	1971
VDUCT	2617	2407	2308	2203	2093	1976	1677	1232
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
AJCDD	9.45	8.35	7.87	7.39	6.90	6.41	5.24	3.38

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ALT	25000	WASIZE	640	PT2/PT2P	0.985	WBL3	3.00
MO	1.30	PAM	5.5	PT2	14.9	WBL4	0.
VA KTS	783	TAM	430	TT2	575	HPEXT	0.

MAXTHR	MAX D/H						MIN D/H	NOT LIT
FNT	44905	40502	38463	36362	34191	31911	26330	19188
FGT	68697	64295	62255	60154	57984	55703	50123	42980
WAT	579	579	579	579	579	579	579	579
WFT	87439	70181	63171	56619	50645	44965	33282	21422
TSFC	1.947	1.733	1.642	1.557	1.481	1.409	1.264	1.116
BPR	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.44
WAT2	602	602	602	602	602	602	602	602
N1	5703	5703	5703	5703	5703	5703	5703	5754
N2	8085	8085	8085	8085	8085	8085	8085	8109
PT30	34.9	34.9	34.9	34.9	34.9	34.9	34.9	36.6
PT4	148.0	148.0	148.0	148.0	148.0	148.0	148.0	154.5
TT30	762	762	762	762	762	762	762	774
TT4	1174	1174	1174	1174	1174	1174	1174	1191
PT9	26.8	26.8	26.8	26.8	26.8	26.8	26.8	27.9
PTD	30.6	31.2	31.5	31.8	32.0	32.3	32.7	35.0
TT9	1991	1991	1991	1991	1991	1991	1991	1990
TTD	3560	3000	2750	2500	2250	2000	1441	774
WAS/WAP	0.0451	0.0424	0.0412	0.0399	0.0386	0.0373	0.0340	0.0298
VENG	1971	1971	1971	1971	1971	1971	1971	1971
VDUCT	2617	2407	2308	2203	2093	1976	1685	1244
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
AJCDD	9.71	8.57	8.07	7.58	7.07	6.57	5.40	3.52

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ALT	36150	WASIZE	640	PT2/PT2P	1.000	WBL3	3.00
MO	0.40	PAM	3.3	PT2	3.7	WBL4	0.
VA KTS	229	TAM	390	TT2	403	HPEXT	0.

MAXTHR	MAX D/H						MIN D/H	NOT LIT
FNT	15674	14616	14118	13600	13057	12484	10605	8547
FGT	18008	16950	16453	15934	15391	14819	12939	10881
WAT	194	194	194	194	194	194	194	194
WFT	29105	23481	21282	19214	17271	15473	10755	6974
TSFC	1.857	1.607	1.507	1.413	1.323	1.239	1.014	0.816
BPR	1.32	1.32	1.32	1.32	1.32	1.32	1.32	1.32
WAT2	685	685	685	685	685	685	685	685
N1	5782	5782	5782	5782	5782	5782	5782	5812
N2	7344	7344	7344	7344	7344	7344	7344	7368
PT30	10.9	10.9	10.9	10.9	10.9	10.9	10.9	11.4
PT4	49.1	49.1	49.1	49.1	49.1	49.1	49.1	50.7
TT30	585	585	585	585	585	585	585	595
TT4	941	941	941	941	941	941	941	954
PT9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	9.2
PTD	9.5	9.8	9.9	10.0	10.1	10.2	10.4	11.0
TT9	1758	1758	1758	1758	1758	1758	1758	1758
TTD	3560	3000	2750	2500	2250	2000	1277	595
WAS/WAP	0.0526	0.0495	0.0480	0.0465	0.0450	0.0434	0.0384	0.0333
VENG	1855	1855	1855	1855	1855	1855	1855	1855
VDUCT	2617	2407	2307	2203	2092	1976	1589	1091
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
AJCDD	9.47	8.67	8.15	7.64	7.13	6.61	5.05	3.10

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ALT       36153   WASIZE      640   PT2/PT2P  1.000    WAL3       3.00
M0         0.60   PAM         3.3   PT2         4.2    WAL4       0.
VA KTS      344   TAM         390   TT2         419    HPEXT      0.

MAXTHR   MAX D/H                                       MIN D/H NOT LIT

FNT       17602    16322    15721    15095    14448    13763    11609     9204
FGT       21528    20240    19637    19017    18356    17692    15527    13123
WAT         217      217      217      217      217      217      217      217
WFT       32745    26459    23970    21691    19536    17522    12401     8170
TSFC      1.860    1.621    1.525    1.437    1.352    1.273    1.068    0.888
BPR        1.31     1.31     1.31     1.31     1.31     1.31     1.31     1.31
WAT2        684      684      684      684      684      684      684      684

N1         5877     5877     5877     5877     5877     5877     5877     5910
N2         7497     7497     7497     7497     7497     7497     7497     7522
PT3D       12.6     12.6     12.6     12.6     12.6     12.6     12.6     13.1
PT4        56.2     56.2     56.2     56.2     56.2     56.2     56.2     58.1
TT3D        610      610      610      610      610      610      610      620
TT4         976      976      976      976      976      976      976      990

PT9        10.2     10.2     10.2     10.2     10.2     10.2     10.2     10.6
PTD        11.1     11.3     11.4     11.5     11.6     11.7     11.9     12.7
TT9        1832     1832     1832     1832     1832     1832     1832     1831
TTD        3560     3000     2750     2500     2250     2000     1300      620
WAS/WAP  0.0512   0.0488   0.0474   0.0460   0.0445   0.0429   0.0383   0.0331
VENG       1893     1893     1893     1893     1893     1893     1893     1892
VOUCT      2617     2407     2307     2203     2092     1976     1603     1114
AJCDE      5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.21
AJCDD      9.52     8.38     7.89     7.19     6.90     6.41     4.96     3.08

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ALT       36153   WASIZE      640   PT2/PT2P  1.000    WAL3       3.00
M0         0.90   PAM         3.3   PT2         5.6    WAL4       0.
VA KTS      516   TAM         390   TT2         453    HPEXT      0.

MAXTHR   MAX D/H                                       MIN D/H NOT LIT

FNT       23271    21604    20517    19661    18715    17743    14930    11658
FGT       30770    29101    28046    27150    26212    25240    22427    19155
WAT         277      277      277      277      277      277      277      277
WFT       42447    34826    31288    28366    25630    23056    16939    11551
TSFC      1.824    1.612    1.525    1.443    1.370    1.299    1.135    0.991
BPR        1.31     1.31     1.31     1.31     1.31     1.31     1.31     1.30
WAT2        685      685      685      685      685      685      685      685

N1         6123     6123     6123     6123     6123     6123     6123     6158
N2         7831     7831     7831     7831     7831     7831     7831     7862
PT3D       16.8     16.8     16.8     16.8     16.8     16.8     16.8     17.5
PT4        75.0     75.0     75.0     75.0     75.0     75.0     75.0     77.5
TT3D        662      662      662      662      662      662      662      671
TT4        1057     1057     1057     1057     1057     1057     1057     1072

PT9        13.7     13.7     13.7     13.7     13.7     13.7     13.7     14.2
PTD        14.9     15.2     15.3     15.5     15.6     15.7     15.9     16.9
TT9        1996     1996     1996     1996     1996     1996     1996     1995
TTD        3560     3000     2750     2500     2250     2000     1369      673
WAS/WAP  0.0504   0.0476   0.0462   0.0449   0.0434   0.0420   0.0379   0.0332
VENG       1973     1973     1973     1973     1973     1973     1973     1973
VOUCT      2617     2407     2307     2203     2093     1976     1632     1160
AJCDE      5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDD      9.03     7.98     7.51     7.05     6.59     6.12     4.85     3.08

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ALT       36153   WASIZE      640   PT2/PT2P  0.991    WAL3       3.00
M0         1.20   PAM         3.3   PT2         7.9    WAL4       0.
VA KTS      688   TAM         390   TT2         501    HPEXT      0.

MAXTHR   MAX D/H                                       MIN D/H NOT LIT

FNT       29420    26800    25580    24342    23056    21703    18086    13709
FGT       42257    39533    38472    37175    35887    34536    30919    26541
WAT         355      355      355      355      355      355      355      355
WFT       53732    45539    39425    35588    32096    28771    21362    14430
TSFC      1.826    1.675    1.541    1.462    1.392    1.326    1.181    1.053
BPR        1.31     1.31     1.31     1.31     1.31     1.31     1.31     1.30
WAT2        651      651      651      651      651      651      651      651

N1         5930     5930     5930     5930     5930     5930     5930     5972
N2         7910     7910     7910     7910     7910     7910     7910     7923
PT3D       21.7     21.7     21.7     21.7     21.7     21.7     21.7     22.6
PT4        96.2     96.2     96.2     96.2     96.2     96.2     96.2     99.8
TT3D        708      708      708      708      708      708      708      720
TT4        1108     1108     1108     1108     1108     1108     1108     1122

PT9        17.5     17.5     17.5     17.5     17.5     17.5     17.5     18.2
PTD        19.3     19.6     19.8     19.9     20.1     20.2     20.5     21.8
TT9        1994     1994     1994     1994     1994     1994     1994     1994
TTD        3560     3000     2750     2500     2250     2000     1391      720
WAS/WAP  0.0479   0.0452   0.0439   0.0426   0.0412   0.0399   0.0363   0.0318
VENG       1972     1972     1972     1972     1972     1972     1972     1972
VOUCT      2617     2407              2203     2093     1976     1657     1200
AJCDE      5.21     5.21              5.21     5.21     5.21     5.21     5.21
AJCDD      9.37     7.98     7.       7.08     6.60     6.13     4.94     3.18

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ALT       36150   WASIZE      640   PT2/PT2P  0.971    WAL3       3.00
M0         1.50   PAM         3.3   PT2        11.7    WAL4       0.
VA KTS      860   TAM         390   TT2         566    HPEXT      0.

MAXTHR   MAX D/H                                       MIN D/H NOT LIT

FNT       37444    33675    31933    30142    28294    26357    21556    15454
FGT       58355    54587    52849    51056    49204    47271    42471    36369
WAT         463      463      463      463      463      463      463      463
WFT       69922    56184    50608    45399    40652    36136    26723    17311
TSFC      1.867    1.668    1.585    1.506    1.437    1.371    1.240    1.120
BPR        1.45     1.45     1.45     1.45     1.45     1.45     1.45     1.42
WAT2        608      608      608      608      608      608      608      608

N1         5728     5728     5728     5728     5728     5728     5728     5780
N2         8054     8054     8054     8054     8054     8054     8054     8076
PT3D       27.7     27.7     27.7     27.7     27.7     27.7     27.7     29.0
PT4       119.0    119.0    119.0    119.0    119.0    119.0    119.0    124.2
TT3D        754      754      754      754      754      754      754      765
TT4        1166     1166     1166     1166     1166     1166     1166     1182

PT9        21.6     21.6     21.6     21.6     21.6     21.6     21.6     22.5
PTD        24.3     24.8     25.0     25.2     25.4     25.6     26.0     27.8
TT9        1993     1993     1993     1993     1993     1993     1993     1992
TTD        3560     3000     2750     2500     2250     2000     1432      765
WAS/WAP  0.0454   0.0428   0.0415   0.0403   0.0385   0.0376   0.0341   0.0300
VENG       1972     1972     1972     1972     1972     1972     1972     1972
VOUCT      2617     2407     2308     2203     2093     1976     1681     1237
AJCDE      5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.21
AJCDD      9.71     8.59     8.09     7.59     7.05     6.58     5.39     3.50

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ALT       36153   WASIZE      640   PT2/PT2P  0.945    WAL3       3.00
M0         1.80   PAM         3.3   PT2        17.8    WAL4       0.
VA KTS     1032   TAM         390   TT2         643    HPEXT      0.

MAXTHR   MAX D/H                                       MIN D/H NOT LIT

FNT       47767    42107    39794    37217    34552    31764    25609    16949
FGT       80686    75227    72913    69736    67272    64484    58329    49669
WAT         604      604      604      604      604      604      604      604
WFT       90631    71998    64372    57315    50453    44822    33256    20263
TS        1.897    1.709    1.618    1.540    1.475    1.411    1.299    1.196
BPR        1.61     1.61     1.61     1.61     1.61     1.61     1.61     1.59
WAT2        555      555      555      555      555      555      555      555

N1         5516     5516     5516     5516     5516     5516     5516     5556
N2         8193     8193     8193     8193     8193     8193     8193     8225
PT3D       36.8     36.8     36.8     36.8     36.8     36.8     36.8     38.4
PT4       145.8    145.8    145.8    145.8    145.8    145.8    145.8    151.7
TT3D        817      817      817      817      817      817      817      827
TT4        1229     1229     1229     1229     1229     1229     1229     1244

PT9        26.4     26.4     26.4     26.4     26.4     26.4     26.4     27.3
PTD        32.0     32.7     33.0     33.3     33.5     33.8     34.2     36.5
TT9        1993     1993     1993     1993     1993     1993     1993     1992
TTD        3560     3000     2750     2500     2250     2000     1490      827
WAS/WAP  0.0429   0.0403   0.0391   0.0379   0.0364   0.0352   0.0323   0.0282
VENG       1972     1972     1972     1972     1972     1972     1972     1972
VOUCT      2617     2409     2308     2203     2093     1976     1713     1285
AJCDE      5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.21
AJCDD     10.34     8.86     8.34     7.87     7.31     6.79     5.68     3.79

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ALT       45000   WASIZE      640   PT2/PT2P  1.000    WAL3       3.00
M0         0.50   PAM         2.1   PT2         2.5    WAL4       0.
VA KTS      287   TAM         390   TT2         409    HPEXT      0.

MAXTHR   MAX D/H                                       MIN D/H NOT LIT

FNT       10532     9797     9453     9094     8717     8320     7026     5599
FGT       12543    11908    11464    11108    10728    10331     9035     7610
WAT         134      134      134      134      134      134      134      134
WFT       20027    16160    14648    13227    11889    10652     7422     4815
TSFC      1.902    1.649    1.550    1.455    1.364    1.280    1.057    0.860
BPR        1.35     1.35     1.35     1.35     1.35     1.35     1.35     1.35
WAT2        685      685      685      685      685      685      685      685

N1         5848     5848     5848     5848     5848     5848     5848     5875
N2         7350     7350     7350     7350     7350     7350     7350     7368
PT3D        7.4      7.4      7.4      7.4      7.4      7.4      7.4      7.7
PT4        33.7     33.7     33.7     33.7     33.7     33.7     33.7     34.8
TT3D        589      589      589      589      589      589      589      598
TT4         955      955      955      955      955      955      955      968

PT9         6.1      6.1      6.1      6.1      6.1      6.1      6.1      6.3
PTD         6.4      6.5      6.6      6.7      6.7      6.8      6.9      7.4
TT9        1794     1794     1794     1794     1794     1794     1794     1794
TTD        3560     3000     2750     2500     2250     2000     1281      598
WAS/WAP  0.0524   0.0493   0.0479   0.0464   0.0448   0.0432   0.0383   0.0323
VENG       1874     1874     1874     1874     1874     1874     1874     1874
VOUCT      2617     2407     2307     2203     2092     1976     1591     1094
AJCDE      5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDD     10.16     8.92     8.38     7.85     7.32     6.79     5.19     3.18

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DOWNGRADED AT 3 YEAR INTERVALS;
DECLASSIFIED AFTER 12 YEARS.
DOD DIR 5200.10

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ALT       45000       WASIZE          640   PT2/PT2P  1.000   WBL3        3.00
MO        [illegible] PAM             2.1   PT2         3.3   WBL4        0.
VA KTS    463         TAM             390   TT2         440   HPEXT       0.

MAXTHR    MAX D/H                                             MIN D/H NOT LIT

FNT        13674    12528    11913    11656    10808    10356     9665     6779
FGT        17672    16621    15732    15627    14701    14369    12679    10772
WAT          166      166      166      166      166      166      166      166
WFT        25726    22637    18533    16779    15135    13596     9900     6563
TSFC       1.872    1.645    1.552    1.467    1.389    1.313    1.124    0.968
BPR         1.36     1.36     1.36     1.36     1.36     1.36     1.36     1.36
WAT2         685      685      685      685      685      685      685      685

N1          6061     6061     6061     6061     6061     6061     6061     6091
N2          7663     7663     7663     7663     7663     7663     7663     7664
PT30         9.5      9.5      9.5      9.5      9.5      9.5      9.5     10.0
PT4         43.6     43.6     43.6     43.6     43.6     43.6     43.6     45.0
TT30         635      635      635      635      635      635      635      645
TT4         1025     1025     1025     1025     1025     1025     1025     1039

PT9          8.0      8.0      8.0      8.0      8.0      8.0      8.0      8.2
PTD          8.4      8.6      8.6      8.7      8.8      8.9      9.0      9.6
TT9         1938     1938     1938     1938     1938     1938     1938     1937
TTD         3560     3000     2750     2500     2250     2000     1324      645
WAS/WAP   0.0511   0.0481   0.0467   0.0453   0.0437   0.0424   0.0390   0.0336
VENG        1965     1965     1965     1965     1965     1965     1965     1965
VDUCT       2617     2407     2307     2203     2092     1976     1617     1136
AJCDE       5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDD       9.53     8.68     7.98     7.49     6.93     6.49     5.07     3.18

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ALT       45000       WASIZE          640   PT2/PT2P  0.991   WBL3        3.00
MO        1.22        PAM             2.1   PT2         5.2   WBL4        0.
VA KTS    688         TAM             390   TT2         502   HPEXT       0.

MAXTHR    MAX D/H                                             MIN D/H NOT LIT

FNT        19226    17579    16866    15776    14600    14024    11653     8746
FGT        27626    25730    24765    24136    23301    22426    20053    17174
WAT          233      233      233      233      233      233      233      233
WFT        35127    28648    25755    23252    20657    18781    13846     9368
TSFC       1.846    1.642    1.557    1.478    1.407    1.339    1.192    1.063
BPR         1.36     1.36     1.36     1.36     1.36     1.36     1.36     1.39
WAT2         651      651      651      651      651      651      651      651

N1          5932     5932     5932     5932     5932     5932     5932     5969
N2          7873     7873     7873     7873     7873     7873     7873     7885
PT30        13.8     13.8     13.8     13.8     13.8     13.8     13.8     14.5
PT4         62.4     62.4     62.4     62.4     62.4     62.4     62.4     64.6
TT30         702      702      702      702      702      702      702      716
TT4         1105     1105     1105     1105     1105     1105     1105     1119

PT9         11.4     11.4     11.4     11.4     11.4     11.4     11.4     11.8
PTD         12.2     12.5     12.6     12.7     12.9     12.9     13.1     13.9
TT9         1998     1998     1998     1998     1998     1998     1998     1998
TTD         3560     3000     2750     2500     2250     2000     1386      714
WAS/WAP   0.0483   0.0452   0.0440   0.0427   0.0413   0.0399   0.0362   0.0317
VENG        1974     1974     1974     1974     1974     1974     1974     1974
VDUCT       2617     2407     2307     2203     2093     1976  [illegible]   1195
AJCDE       5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDD       9.35     8.21     7.74     7.26     6.78     6.30     5.07     3.25

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ALT       45000       WASIZE          640   PT2/PT2P  0.971   WBL3        3.00
MO        1.50        PAM             2.1   PT2         7.7   WBL4        0.
VA KTS    860         TAM             390   TT2         566   HPEXT       0.

MAXTHR    MAX D/H                                             MIN D/H NOT LIT

FNT        24251    21512    20679    19513    18310    17048    13980     9081
FGT        37955    35593    34370    33704    32001    30739    27579    23575
WAT          303      303      303      303      303      303      303      303
WFT        45812    36782    33120    29700    26582    23617    17356    11192
TSFC       1.888    1.686    1.602    1.522    1.452    1.385    1.252    1.133
BPR         1.48     1.48     1.48     1.48     1.48     1.48     1.48     1.46
WAT2         608      608      608      608      608      608      608      608

N1          5716     5716     5716     5716     5716     5716     5716     5762
N2          8020     8020     8020     8020     8020     8020     8020     8043
PT30        17.7     17.7     17.7     17.7     17.7     17.7     17.7     18.5
PT4         76.9     76.9     76.9     76.9     76.9     76.9     76.9     80.2
TT30         748      748      748      748      748      748      748      760
TT4         1162     1162     1162     1162     1162     1162     1162     1179

PT9         14.0     14.0     14.0     14.0     14.0     14.0     14.0     14.5
PTD         15.4     15.7     15.9     16.0     16.2     16.3     16.5     17.7
TT9         1997     1997     1997     1997     1997     1997     1997     1996
TTD         3560     3000     2750     2500     2250     2000     1428      760
WAS/WAP   0.0455   0.0428   0.0416   0.0403   0.0390   0.0376   0.0342   0.0299
VENG        1974     1974     1974     1974     1974     1974     1974     1974
VDUCT       2617     2407     2308     2203     2093     1976     1678     1232
AJCDE       5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.21
AJCDD      10.37     8.89     8.36     7.84     7.32     6.79     5.55     3.59

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ALT       45000       WASIZE          640   PT2/PT2P  0.945   WBL3        3.00
MO        1.80        PAM             2.1   PT2        11.7   WBL4        0.
VA KTS    1032        TAM             390   TT2         643   HPEXT       0.

MAXTHR    MAX D/H                                             MIN D/H NOT LIT

FNT        31916    27657    25818    24137    22398    20577    16516    10829
FGT        52630    48870    47231    45550    44811    41990    37910    32247
WAT          395      395      395      395      395      395      395      395
WFT        59627    47115    42170    37545    33354    29326    21665    13111
TSFC       1.716    1.716    1.633    1.555    1.489    1.425    1.312    1.211
BPR         1.65     1.65     1.65     1.65     1.65     1.65     1.65     1.61
WAT2         555      555      555      555      555      555      555      555

N1          5498     5498     5498     5498     5498     5498     5498     5536
N2          8158     8158     8158     8158     8158     8158     8158     8182
PT30        23.6     23.6     23.6     23.6     23.6     23.6     23.6     24.6
PT4         94.2     94.2     94.2     94.2     94.2     94.2     94.2     97.9
TT30         812      812      812      812      812      812      812      822
TT4         1225     1225     1225     1225     1225     1225     1225     1241

PT9         17.1     17.1     17.1     17.1     17.1     17.1     17.1     17.7
PTD         20.4     20.8     21.0     21.2     21.4     21.6     21.7     23.4
TT9         1997     1997     1997     1997     1997     1997     1997     1996
TTD         3560     3000     2750     2500     2250     2000     1448      822
WAS/WAP   0.0430   0.0404   0.0392   0.0379   0.0366   0.0353   0.0323   0.0281
VENG        1974     1974     1974     1974     1974     1974     1974     1974
VDUCT       2617     2408     2308     2203     2093     1976     1710     1281
AJCDE       5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.21
AJCDD      10.36     9.14     8.60     8.05     7.52     6.98     5.53     3.89

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ALT       45000       WASIZE          640   PT2/PT2P  0.925   WBL3        3.00
MO        2.00        PAM             2.1   PT2        15.4   WBL4        0.
VA KTS    1147        TAM             390   TT2         702   HPEXT       0.

MAXTHR    MAX D/H                                             MIN D/H NOT LIT

FNT        36302    31818    29762    27645    25464    23185    18648    11640
FGT        64509    60025    57969    55852    53671    51392    46855    39847
WAT          469      469      469      469      469      469      469      469
WFT        69321    54625    48728    43190    38167    33354    25055    14754
TSFC       1.910    1.717    1.637    1.562    1.499    1.439    1.344    1.268
BPR         1.69     1.69     1.69     1.69     1.69     1.69     1.69     1.68
WAT2         515      515      515      515      515      515      515      515

N1          5454     5454     5454     5454     5454     5454     5454     5489
N2          8196     8196     8196     8196     8196     8196     8196     8231
PT30        29.6     29.6     29.6     29.6     29.6     29.6     29.6     30.5
PT4        110.2    110.2    110.2    110.2    110.2    110.2    110.2    114.1
TT30         869      869      869      869      869      869      869      877
TT4         1279     1279     1279     1279     1279     1279     1279     1294

PT9         19.8     19.8     19.8     19.8     19.8     19.8     19.8     20.5
PTD         25.8     26.4     26.6     26.8     27.0     27.2     27.5     29.0
TT9         1995     1995     1995     1995     1995     1995     1995     1995
TTD         3560     3000     2750     2500     2250     2000     1536      877
WAS/WAP   0.0412   0.0387   0.0375   0.0363   0.0351   0.0337   0.0312   0.0272
VENG        1973     1973     1973     1973     1973     1973     1973     1973
VDUCT       2617     2408     2308     2203     2093     1976     1739     1322
AJCDE       5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDD       9.78     8.64     8.14     7.64     7.14     6.63     5.66     3.89

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ALT       55000       WASIZE          640   PT2/PT2P  0.997   WBL3        3.00
MO        1.13        PAM             1.5   PT2         2.8   WBL4        0.
VA KTS    631         TAM             390   TT2         484   HPEXT       0.

MAXTHR    MAX D/H                                             MIN D/H NOT LIT

FNT        10642     9725     9300     8861     8407     7931     6591     5010
FGT        15024    14106    13681    13249    12788    12312    10971     9391
WAT          132      132      132      132      132      132      132      132
WFT        19971    16189    14670    13262    11963    10736     7891     5322
TSFC       1.877    1.665    1.577    1.497    1.423    1.354    1.197    1.062
BPR         1.36     1.36     1.36     1.36     1.36     1.36     1.36     1.38
WAT2         663      663      663      663      663      663      663      663

N1          6005     6005     6005     6005     6005     6005     6005     6033
N2          7774     7774     7774     7774     7774     7774     7774     7787
PT30         7.6      7.6      7.6      7.6      7.6      7.6      7.6      8.0
PT4         35.1     35.1     35.1     35.1     35.1     35.1     35.1     36.3
TT30         680      680      680      680      680      680      680      691
TT4         1083     1083     1083     1083     1083     1083     1083     1097

PT9          6.4      6.4      6.4      6.4      6.4      6.4      6.4      6.6
PTD          6.7      6.8      6.9      6.9      7.0      7.0      7.2      7.7
TT9         2004     2004     2004     2004     2004     2004     2004     2003
TTD         3560     3000     2750     2500     2250     2000     1365      691
WAS/WAP   0.0489   0.0461   0.0448   0.0435   0.0421   0.0407   0.0367   0.0321
VENG        1977     1977     1977     1977     1977     1977     1977     1977
VDUCT       2617     2407     2307     2203     2093     1976     1642     1176
AJCDE       5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDD       9.62     8.49     7.55     7.30     7.00     6.50     5.18     3.28

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ALT        55000   WASIZE         640   PT2/PT2P  0.971   WBL3       3.00
MO          1.20   PAM            1.3   PT2         3.2   WBL4       0.
VA KTS       688   TAM            390   TT2         502   HPEXT      0.

MAXTHR   MAX D/H                                     MIN D/H NOT LIT

FNT        11516    10504    10026     9555     9026     8492     7027     5272
FGT        16761    15710    15233    14761    14232    13698    12234    10479
WAT          144      144      144      144      144      144      144      144
WFT        21699    17565    15901    14154    12934    11589     8536     5719
TSFC       1.881    1.672    1.586    1.505    1.433    1.365    1.215    1.085
BPR         1.37     1.37     1.37     1.37     1.37     1.37     1.37     1.37
WAT2         651      651      651      651      651      651      651      651

N1          5960     5960     5960     5960     5960     5960     5960     5969
N2          7826     7826     7826     7826     7826     7826     7826     7841
PT3D         8.2      8.2      8.2      8.2      8.2      8.2      8.2      8.6
PT4         39.1     39.1     39.1     39.1     39.1     39.1     39.1     39.4
TT3D         695      695      695      695      695      695      695      706
TT4         1103     1103     1103     1103     1103     1103     1103     1116

PT9          7.0      7.0      7.0      7.0      7.0      7.0      7.0      7.2
PTD          7.2      7.4      7.4      7.5      7.6      7.6      7.8      8.3
TT9         2003     2003     2003     2003     2003     2001     2003     2003
TTD         3560     3000     2750     2500     2250     2000     1379      706
WAS/WAP   0.0491   0.0453   0.0440   0.0427   0.0413   0.0399   0.0362   0.0316
VENG        1977     1977     1977     1977     1977     1977     1977     1977
VOUCT       2517     2407     2307     2203     2093     1976     1650     1188
AJCOE       5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCOO       9.73     8.79     8.04     7.58     7.09     6.57     5.26     3.35

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ALT        55000   WASIZE         640   PT2/PT2P  0.971   WBL3       3.00
MO          1.50   PAM            1.3   PT2         4.7   WBL4       0.
VA KTS       860   TAM            390   TT2         566   HPEXT      0.

MAXTHR   MAX D/H                                     MIN D/H NOT LIT

FNT        14766    13266    12573    11855    11123    10369     8389     5413
FGT        23251    21752    21059    20345    19609    18835    16875    14899
WAT          188      188      188      188      188      188      188      188
WFT        28368    22741    20477    18351    16419    14579    10677     6928
TSFC       1.920    1.714    1.629    1.547    1.476    1.409    1.271    1.155
BPR         1.52     1.52     1.52     1.52     1.52     1.52     1.52     1.50
WAT2         608      608      608      608      608      608      608      608

N1          5711     5711     5711     5711     5711     5711     5711     5750
N2          7981     7981     7981     7981     7981     7981     7981     8004
PT3D        10.6     10.6     10.6     10.6     10.6     10.6     10.6     11.1
PT4         46.9     46.9     46.9     46.9     46.9     46.9     46.9     48.8
TT3D         742      742      742      742      742      742      742      753
TT4         1159     1159     1159     1159     1159     1159     1159     1175

PT9          8.5      8.5      8.5      8.5      8.5      8.5      8.5      8.9
PTD          9.1      9.3      9.4      9.5      9.6      9.7      9.9     10.6
TT9         2002     2002     2002     2002     2002     2002     2002     2001
TTD         3560     3000     2750     2500     2250     2000     1422      753
WAS/WAP   0.0456   0.0429   0.0416   0.0403   0.0390   0.0376   0.0342   0.0294
VENG        1976     1976     1976     1976     1976     1976     1976     1976
VOUCT       2617     2407     2308     2203     2093     1976     1674     1227
AJCOE       5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.21
AJCOO      10.54     9.28     8.75     8.18     7.63     7.08     5.76     3.72

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ALT        55000   WASIZE         640   PT2/PT2P  0.945   WBL3       3.00
MO          1.80   PAM            1.3   PT2         7.2   WBL4       0.
VA KTS      1032   TAM            390   TT2         643   HPEXT      0.

MAXTHR   MAX D/H                                     MIN D/H NOT LIT

FNT        18936    16750    15742    14709    13639    12517     9987     6463
FGT        32208    30022    29014    27981    26911    25790    23259    19735
WAT          245      245      245      245      245      245      245      245
WFT        36843    29193    26117    23234    20636    18132    13323     7999
TSFC       1.946    1.743    1.659    1.580    1.513    1.449    1.334    1.238
BPR         1.69     1.69     1.69     1.69     1.69     1.69     1.69     1.68
WAT2         555      555      555      555      555      555      555      555

N1          5483     5483     5483     5483     5483     5483     5483     5520
N2          8108     8108     8108     8108     8108     8108     8108     8141
PT3D        14.2     14.2     14.2     14.2     14.2     14.2     14.2     14.8
PT4         57.4     57.4     57.4     57.4     57.4     57.4     57.4     59.6
TT3D         807      807      807      807      807      807      807      816
TT4         1222     1222     1222     1222     1222     1222     1222     1237

PT9         10.4     10.4     10.4     10.4     10.4     10.4     10.6     10.8
PTD         12.1     12.4     12.5     12.6     12.6     12.7     13.1     14.0
TT9         2002     2002     2002     2002     2002     2002     2002     2001
TTD         3560     3000     2750     2500     2250     2000     1480      816
WAS/WAP   0.0431   0.0405   0.0392   0.0380   0.0366   0.0353   0.0323   0.0280
VENG        1976     1976     1976     1976     1976     1976     1976     1976
VOUCT       2617     2408     2308     2203     2093     1976     1708     1276
AJCOE       5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCOO      10.95     9.55     8.78     8.41     7.84     7.28     6.66     4.02

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ALT        55000   WASIZE         640   PT2/PT2P  0.925   WBL3       3.00
MO          2.00   PAM            1.3   PT2         9.6   WBL4       0.
VA KTS      1147   TAM            390   TT2         702   HPEXT      0.

MAXTHR   MAX D/H                                     MIN D/H NOT LIT

FNT        22230    19467    18199    16893    15547    14139    11300     6960
FGT        39713    36950    35682    34377    33030    31623    28783    24443
WAT          291      291      291      291      291      291      291      291
WFT        43019    33872    30201    26750    23631    20635    15412     9012
TSFC       1.935    1.740    1.659    1.583    1.520    1.459    1.364    1.295
BPR         1.74     1.74     1.74     1.74     1.74     1.74     1.74     1.73
WAT2         515      515      515      515      515      515      515      515

N1          5433     5433     5433     5433     5433     5433     5433     5469
N2          8141     8141     8141     8141     8141     8141     8141     8177
PT3D        17.8     17.8     17.8     17.8     17.8     17.8     17.9     19.4
PT4         67.1     67.1     67.1     67.1     67.1     67.1     67.1     69.5
TT3D         863      863      863      863      863      863      863      871
TT4         1275     1275     1275     1275     1275     1275     1275     1290

PT9         12.1     12.1     12.1     12.1     12.1     12.1     12.1     12.5
PTD         15.4     15.7     15.9     16.0     16.1     16.3     16.5     17.5
TT9         2000     2000     2000     2000     2000     2000     2000     2000
TTD         3560     3000     2750     2500     2250     2000     1531      871
WAS/WAP   0.0413   0.0388   0.0376   0.0363   0.0351   0.0338   0.0317   0.0271
VENG        1976     1976     1976     1976     1976     1976     1976     1976
VOUCT       2617     2408     2308     2203     2093     1976     1736     1318
AJCOE       5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCOO      10.22     9.02     8.48     7.96     7.43     6.90     5.87     4.01

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ALT        55000   WASIZE         640   PT2/PT2P  0.904   WBL3       3.00
MO          2.20   PAM            1.3   PT2        12.9   WBL4       0.
VA KTS      1262   TAM            390   TT2         787   HPEXT      0.

MAXTHR   MAX D/H                                     MIN D/H NOT LIT

FNT        25822    22384    20810    19191    17526    15788    12757     7563
FGT        48432    44994    43420    41801    40136    38399    35367    30175
WAT          342      342      342      342      342      342      342      342
WFT        49476    38757    34459    30386    26705    23187    17784    10196
TSFC       1.917    1.731    1.655    1.583    1.524    1.469    1.394    1.348
BPR         1.75     1.75     1.75     1.75     1.75     1.75     1.75     1.73
WAT2         474      474      474      474      474      474      474      474

N1          5383     5383     5383     5383     5383     5383     5383     5427
N2          8155     8155     8155     8155     8155     8155     8155     8205
PT3D        22.9     22.9     22.9     22.9     22.9     22.9     22.9     23.6
PT4         78.9     78.9     78.9     78.9     78.9     78.9     78.9     81.9
TT3D         928      928      928      928      928      928      928      937
TT4         1333     1333     1333     1333     1333     1333     1333     1348

PT9         14.2     14.2     14.2     14.2     14.2     14.2     14.2     14.7
PTD         20.3     20.6     20.8     21.0     21.1     21.2     21.4     22.5
TT9         1999     1999     1999     1999     1999     1999     1999     1998
TTD         3560     3000     2750     2500     2250     2000     1590      937
WAS/WAP   0.0385   0.0371   0.0360   0.0348   0.0336   0.0323   0.0301   0.0263
VENG        1975     1975     1975     1975     1975     1975     1975     1975
VOUCT       2618     2408     2308     2203     2093     1977     1768     1366
AJCOE       5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.21
AJCOO       9.14     8.10     7.63     7.17     6.71     6.24     5.44     3.81

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ALT        55000   WASIZE         640   PT2/PT2P  0.870   WBL3       3.00
MO          2.50   PAM            1.3   PT2        19.8   WBL4       0.
VA KTS      1434   TAM            390   TT2         875   HPEXT      0.

MAXTHR   MAX D/H                                     MIN D/H NOT LIT

FNT        31170    26596    24502    22358    20158    17869    14910     8407
FGT        63330    58756    56662    54518    52318    50030    47070    40568
WAT          428      428      428      428      428      428      428      428
WFT        59341    46004    40646    35603    31036    26674    21578    12122
TSFC       1.904    1.730    1.659    1.592    1.540    1.493    1.447    1.442
BPR         1.72     1.72     1.72     1.72     1.72     1.72     1.72     1.70
WAT2         412      412      412      412      412      412      412      412

N1          5311     5311     5311     5311     5311     5311     5311     5370
N2          8154     8154     8154     8154     8154     8154     8154     8217
PT3D        33.4     33.4     33.4     33.4     33.4     33.4     33.4     34.3
PT4        100.3    100.3    100.3    100.3    100.3    100.3    100.3    104.4
TT3D        1041     1041     1041     1041     1041     1041     1041     1050
TT4         1429     1429     1429     1429     1429     1429     1429     1445

PT9         17.9     17.9     17.9     17.9     17.9     17.9     17.9     18.6
PTD         30.5     30.9     31.0     31.2     31.3     31.4     31.6     32.9
TT9         1995     1998     1998     1998     1998     1998     1998     1997
TTD         3560     3000     2750     2500     2250     2000     1493     1050
WAS/WAP   0.0370   0.0347   0.0336   0.0325   0.0314   0.0302   0.0287   0.0253
VENG        1975     1975     1975     1975     1975     1975     1975     1976
VOUCT       2618     2408     2308     2204     2093     1977     1823     1445
AJCOE       5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.20
AJCOO       7.57     6.76     6.37     6.20     5.63     5.25     4.76     3.44

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ALT       55000    WASIZE       640    PT2/PT2P  0.846    WBL3      3.00
MO         2.70    PAM          1.1    PT2        26.3    WBL4      0.
VA KTS     1549    TAM          390    TT2         954    HPEXT     0.

MAXTHR   MAX D/H                                          MIN D/H NOT LIT

FNT        35508    29922    27372    24777    22109    19335    16615     8919
FGT        76382    70736    68246    65651    62987    60209    57489    45793
WAT          503      503      503      503      503      503      503      503
WFT        67731    51910    45550    39810    34497    29339    24728    13525
TSFC       1.909    1.735    1.664    1.607    1.558    1.517    1.488    1.516
BPR         1.72     1.72     1.72     1.72     1.72     1.72     1.72     1.70
WAT2         382      382      382      382      382      382      382      382

N1          5274     5274     5274     5274     5274     5274     5274     5339
N2          8214     8214     8214     8214     8214     8214     8214     8256
PT3D        42.5     42.5     42.5     42.5     42.5     42.5     42.5     43.5
PT4        118.5    118.5    118.5    118.5    118.5    118.5    118.5    123.2
TT3D        1121     1121     1121     1121     1121     1121     1121     1129
TT4         1501     1501     1501     1501     1501     1501     1501     1517

PT9         21.0     21.0     21.0     21.0     21.0     21.0     21.0     21.8
PTD         39.6     39.8     39.9     40.1     40.2     40.3     40.5     41.9
TT9         1996     1996     1996     1996     1996     1996     1996     1995
TTD         3560     3000     2750     2500     2250     2000     1765     1130
WAS/WAP   0.0354   0.0332   0.0322   0.0312   0.0301   0.0290   0.0279   0.0247
VENG        1974     1974     1974     1974     1974     1974     1974     1974
VDUCT       2619     2408     2308     2204     2094     1977     1861     1498
AJCDE       5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.20
AJCDD       6.35     6.16     5.83     5.50     5.16     4.81     4.47     3.31

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ALT       65000    WASIZE       640    PT2/PT2P  0.962    WBL3      3.00
MO         1.60    PAM          0.8    PT2         3.4    WBL4      0.
VA KTS      918    TAM          390    TT2         590    HPEXT     0.

MAXTHR   MAX D/H                                          MIN D/H NOT LIT

FNT         9690     8566     8164     7665     7158     6621     5765     3559
FGT        15827    14782    14301    13805    13296    12757    11381     9649
WAT          127      127      127      127      127      127      127      127
WFT        19729    15650    14035    12516    11140     9831     7038     4359
TSFC       2.036    1.810    1.719    1.632    1.556    1.485    1.342    1.225
BPR         1.66     1.66     1.66     1.66     1.66     1.66     1.66     1.66
WAT2         591      591      591      591      591      591      591      591

N1          5610     5610     5610     5610     5610     5610     5610     5645
N2          7976     7976     7976     7976     7976     7976     7976     8003
PT3D         6.8      6.8      6.8      6.8      6.8      6.8      6.8      7.2
PT4         30.2     30.2     30.2     30.2     30.2     30.2     30.2     31.6
TT3D         753      753      753      753      753      753      753      762
TT4         1174     1174     1174     1174     1174     1174     1174     1189

PT9          5.5      5.5      5.5      5.5      5.5      5.5      5.5      5.7
PTD          5.7      5.9      6.0      6.0      6.1      6.2      6.3      6.8
TT9         2007     2007     2007     2007     2007     2007     2007     2007
TTD         3560     3000     2750     2500     2250     2000     1415      762
WAS/WAP   0.0447   0.0422   0.0405   0.0394   0.0381   0.0369   0.0333   0.0289
VENG        1979     1979     1979     1979     1975     1979     1979     1979
VDUCT       2617     2407     2307     2203     2093     1976     1671     1234
AJCDE       5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDD      11.60    10.17     9.55     8.94     8.32     7.70     6.23     4.05

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ALT       65000    WASIZE       640    PT2/PT2P  0.954    WBL3      3.00
MO         1.70    PAM          0.8    PT2         3.9    WBL4      0.
VA KTS      975    TAM          390    TT2         616    HPEXT     0.

MAXTHR   MAX D/H                                          MIN D/H NOT LIT

FNT        10509     9336     8793     8236     7651     7050     5594     3659
FGT        17630    16457    15915    15357    14775    14172    12713    10780
WAT          139      139      139      139      139      139      139      139
WFT        20976    16696    14959    13328    11844    10433     7560     4592
TSFC       1.996    1.788    1.701    1.619    1.547    1.480    1.355    1.255
BPR         1.72     1.72     1.72     1.72     1.72     1.72     1.72     1.70
WAT2         573      573      573      573      573      573      573      573

N1          5519     5519     5519     5519     5519     5519     5519     5555
N2          8012     8012     8012     8012     8012     8012     8012     8045
PT3D         7.5      7.5      7.5      7.5      7.5      7.5      7.5      7.9
PT4         32.3     32.3     32.3     32.3     32.3     32.3     32.3     33.5
TT3D         775      775      775      775      775      775      775      784
TT4         1195     1195     1195     1195     1195     1195     1195     1210

PT9          5.9      5.9      5.9      5.9      5.9      5.9      5.9      6.1
PTD          6.3      6.4      6.5      6.6      6.7      6.7      6.9      7.4
TT9         2008     2008     2008     2008     2008     2008     2008     2007
TTD         3560     3000     2750     2500     2250     2000     1451      784
WAS/WAP   0.0441   0.0414   0.0401   0.0388   0.0375   0.0361   0.0328   0.0284
VENG        1979     1979     1979     1975     1979     1979     1979     1979
VDUCT       2617     2408     2308     2203     2093     1976     1691     1251
AJCDE       5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.21
AJCDD      11.76    10.37     9.69     9.06     8.44     7.81     6.42     4.37

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ALT       65000    WASIZE       640    PT2/PT2P  0.945    WBL3      3.00
MO         1.80    PAM          0.8    PT2         4.5    WBL4      0.
VA KTS     1032    TAM          390    TT2         643    HPEXT     0.

MAXTHR   MAX D/H                                          MIN D/H NOT LIT

FNT        11458    10124     9509     8877     8222     7535     5960     3783
FGT        19658    18354    17739    17107    16452    15765    14190    12013
WAT          152      152      152      152      152      152      152      152
WFT        22825    18071    16160    14364    12750    11193     8166     4852
TSFC       1.992    1.785    1.699    1.618    1.551    1.485    1.370    1.283
BPR         1.76     1.76     1.76     1.76     1.76     1.76     1.76     1.75
WAT2         555      555      555      555      555      555      555      555

N1          5464     5464     5464     5464     5464     5464     5464     5499
N2          8040     8040     8040     8040     8040     8040     8040     8076
PT3D         8.4      8.4      8.4      8.4      8.4      8.4      8.4      8.8
PT4         34.7     34.7     34.7     34.7     34.7     34.7     34.7     36.0
TT3D         799      799      799      799      799      799      799      808
TT4         1218     1218     1218     1218     1218     1218     1218     1233

PT9          6.3      6.3      6.3      6.3      6.3      6.3      6.3      6.5
PTD          7.0      7.2      7.3      7.4      7.5      7.5      7.7      8.1
TT9         2007     2007     2007     2007     2007     2007     2007     2007
TTD         3560     3000     2750     2500     2250     2000     1473      808
WAS/WAP   0.0432   0.0405   0.0393   0.0380   0.0367   0.0353   0.0322   0.0278
VENG        1979     1979     1975     1977     1975     1979     1979     1979
VDUCT       2617     2408     2308     2203     2093     1976     1704     1270
AJCDE       5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.21
AJCDD      11.58    10.17     9.55     8.93     8.32     7.71     6.39     4.22

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ALT       65000    WASIZE       640    PT2/PT2P  0.925    WBL3      3.00
MO         2.00    PAM          0.9    PT2         6.0    WBL4      0.
VA KTS     1147    TAM          390    TT2         702    HPEXT     0.

MAXTHR   MAX D/H                                          MIN D/H NOT LIT

FNT        13535    11837    11057    10254     9428     8559     6786     4096
FGT        24377    22678    21859    21096    20267    19400    17627    14937
WAT          180      180      180      180        0      180      180      180
WFT        26657    20771    18609    16545 [illegible]  12746   9464     5460
TSFC       1.949    1.772    1.690    1.613    1.550    1.489    1.395    1.333
BPR         1.80     1.80     1.80     1.80     1.80     1.80     1.80     1.79
WAT2         515      515      515      515      515      515      515      515

N1          5414     5414     5414     5414     5414     5414     5414     5446
N2          8074     8074     8074     8074     8074     8074     8074     8115
PT3D        10.7     10.7     10.7     10.7     10.7     10.7     10.7     11.1
PT4         40.7     40.7     40.7     40.7     40.7     40.7     40.7     42.2
TT3D         857      857      857      857      857      857      857      864
TT4         1271     1271     1271     1271     1271     1271     1271     1286

PT9          7.3      7.3      7.3      7.3      7.3      7.3      7.3      7.6
PTD          9.1      9.3      9.4      9.5      9.6      9.7      9.8     10.4
TT9         2005     2005     2005     2005     2005     2005     2005     2005
TTD         3560     3000     2750     2500     2250     2000     1525      864
WAS/WAP   0.0414   0.0388   0.0376   0.0364   0.0351   0.0338   0.0311   0.0269
VENG        1978     1978     1978     1978     1978     1978     1978     1978
VDUCT       2617     2408     2306     2203     2093     1976     1733     1313
AJCDE       5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDD      10.70     9.43     8.86     8.31     7.75     7.20     6.11     4.16

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ALT       65000    WASIZE       640    PT2/PT2P  0.904    WBL3      3.00
MO         2.20    PAM          0.9    PT2         8.0    WBL4      0.
VA KTS     1262    TAM          390    TT2         767    HPEXT     0.

MAXTHR   MAX D/H                                          MIN D/H NOT LIT

FNT        15791    13669    12697    11696    10666     9592     7689     4463
FGT        29812    27689    26717    25717    24687    23612    21709    18483
WAT          212      212      212      212      212      212      212      212
WFT        30799    24026    21345    18816    16529    14337    10930     6206
TSFC       1.945    1.758    1.681    1.609    1.550    1.495    1.422    1.391
BPR         1.81     1.81     1.81     1.81     1.81     1.81     1.81     1.79
WAT2         474      474      474      474      474      474      474      474

N1          5359     5359     5359     5359     5359     5359     5359     5398
N2          8091     8091     8091     8091     8091     8091     8091     8141
PT3D        13.8     13.8     13.8     13.8     13.8     13.8     13.8     14.3
PT4         47.9     47.9     47.9     47.9     47.9     47.9     47.9     49.7
TT3D         922      922      922      922      922      922      922      930
TT4         1329     1329     1329     1329     1329     1329     1329     1344

PT9          8.6      8.6      8.6      8.6      8.6      8.6      8.6      8.9
PTD         12.1     12.4     12.5     12.6     12.6     12.7     12.9     13.5
TT9         2005     2005     2005     2005     2005     2005     2005     2004
TTD         3560     3000     2750     2500     2250     2000     1545      930
WAS/WAP   0.0396   0.0372   0.0360   0.0348   0.0336   0.0323   0.0301   0.0262
VENG        1978     1978     1978     1978     1978     1978     1978     1978
VDUCT       2618     2408     2309     2203     2093     1977     1765     1362
AJCDE       5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDD       9.51     8.41     7.92     7.44     6.96     6.47     5.63     3.93

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ALT        65000   WASIZE      640   PT2/PT2P  0.870   WBL3       3.00
MO          2.50   PAM         0.8   PT2        12.3   WBL4       0.
VA KTS      1434   TAM         390   TT2         875   HPEXT      0.

MAXTHR    MAX O/H                                       MIN O/H NOT LIT

FNT        19169    16313    15014    13654    12310    10898     9028     4973
FGT        39072    36256    34996    33428    32261    30841    28970    24516
WAT          265      265      265      265      265      265      265      265
WFT        36899    28551    25215    22075    19210    16512    13283     7389
TSFC       1.925    1.750    1.679    1.613    1.561    1.515    1.472    1.486
BPR         1.78     1.78     1.78     1.78     1.78     1.78     1.78     1.75
WAT2         412      412      412      412      412      412      412      412

N1          5281     5281     5281     5281     5281     5281     5281     5332
N2          8099     8099     8099     8099     8055     8099     8099     8161
PT30        20.3     20.3     20.3     20.3     20.3     20.3     20.3     20.8
PT4         61.0     61.0     61.0     61.0     61.0     61.0     61.0     63.4
TT30        1035     1035     1035     1035     1035     1035     1035     1044
TT4         1425     1425     1425     1425     1425     1425     1425     1461

PT9         10.9     10.9     10.9     10.9     10.9     10.9     10.9     11.3
PTD         18.4     18.7     18.8     18.9     19.0     19.0     19.1     19.9
TT9         2003     2003     2003     2003     2003     2003     2003     2002
TTD         3560     3000     2750     2500     2250     2000     1687     1044
WAS/WAP   0.0370   0.0348   0.0337   0.0326   0.0314   0.0302   0.0287   0.0252
VENG        1977     1977     1977     1977     1977     1977     1977     1977
VDUCT       2618     2408     2308     2204     2093     1977     1820     1441
AJCDE       5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.20
AJCDD       7.80     6.94     6.56     6.18     5.79     5.40     4.88     3.53

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ALT        65000   WASIZE      640   PT2/PT2P  0.846   WBL3       3.00
MO          2.70   PAM         0.8   PT2        16.3   WBL4       0.
VA KTS      1548   TAM         390   TT2         954   HPEXT      0.

MAXTHR    MAX O/H                                       MIN O/H NOT LIT

FNT        21856    18388    16805    15191    13536    11813    10087     5284
FGT        47202    43734    42151    40537    38882    37159    35433    30630
WAT          312      312      312      312      312      312      312      312
WFT        42129    32234    28273    24698    21361    18176    15245     8258
TSFC       1.928    1.753    1.682    1.626    1.578    1.539    1.511    1.563
BPR         1.77     1.77     1.77     1.77     1.77     1.77     1.77     1.75
WAT2         382      382      382      382      382      382      382      382

N1          5238     5238     5238     5238     5238     5238     5238     5293
N2          8173     8173     8173     8173     8173     8173     8173     8213
PT30        25.9     25.9     25.9     25.9     25.9     25.9     25.9     26.5
PT4         72.2     72.2     72.2     72.2     72.2     72.2     72.2     74.9
TT30        1116     1116     1116     1116     1116     1116     1116     1124
TT4         1496     1496     1496     1496     1496     1496     1496     1512

PT9         12.8     12.8     12.8     12.8     12.8     12.8     12.8     13.3
PTD         23.9     24.1     24.2     24.3     24.4     24.5     24.6     25.4
TT9         2001     2001     2001     2001     2001     2001     2001     2000
TTD         3560     3000     2750     2500     2250     2000     1760     1124
WAS/WAP   0.0355   0.0333   0.0322   0.0312   0.0301   0.0290   0.0278   0.0246
VENG        1977     1977     1977     1977     1977     1977     1977     1976
VDUCT       2618     2408     2308     2204     2094     1977     1858     1494
AJCDE       5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.20
AJCDD       7.09     6.32     5.98     5.64     5.29     4.94     4.58     3.39

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ALT        75000   WASIZE      640   PT2/PT2P  0.925   WBL3       3.00
MO          2.00   PAM         0.5   PT2         3.7   WBL4       0.
VA KTS      1154   TAM         395   TT2         711   HPEXT      0.

MAXTHR    MAX O/H                                       MIN O/H NOT LIT

FNT         8066     7015     6536     6044     5535     5003     3825     2259
FGT        14810    13760    13281    12789    12280    11747    10570     9004
WAT          111      111      111      111      111      111      111      111
WFT        17542    13592    12044    10643     9319     8082     5749     3246
TSFC       2.175    1.938    1.843    1.761    1.684    1.616    1.502    1.437
BPR         1.92     1.92     1.92     1.92     1.92     1.92     1.92     1.91
WAT2         515      515      515      515      515      515      515      515

N1          5408     5408     5408     5408     5408     5408     5408     5436
N2          7975     7975     7975     7975     7975     7975     7975     8024
PT30         6.2      6.2      6.2      6.2      6.2      6.2      6.2      6.4
PT4         24.1     24.1     24.1     24.1     24.1     24.1     24.1     25.0
TT30         854      854      854      854      854      854      854      862
TT4         1276     1276     1276     1276     1276     1276     1276     1290

PT9          4.4      4.4      4.4      4.4      4.4      4.4      4.4      4.5
PTD          5.1      5.2      5.3      5.4      5.4      5.5      5.6      6.0
TT9         2012     2012     2012     2012     2012     2012     2012     2011
TTD         3560     3000     2750     2500     2250     2000     1488      862
WAS/WAP   0.0413   0.0387   0.0375   0.0362   0.0349   0.0336   0.0306   0.0266
VENG        1981     1981     1981     1981     1981     1981     1981     1981
VDUCT       2617     2407     2307     2203     2093     1976     1712     1311
AJCDE       5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDD      11.96    10.48     9.83     9.19     8.55     7.92     6.60     4.51

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ALT        75000   WASIZE      640   PT2/PT2P  0.904   WBL3       3.00
MO          2.20   PAM         0.5   PT2         5.0   WBL4       0.
VA KTS      1270   TAM         395   TT2         775   HPEXT      0.

MAXTHR    MAX O/H                                       MIN O/H NOT LIT

FNT         9445     8142     7546     6930     6297     5635     4458     2470
FGT        18168    16865    16268    15653    15020    14358    13181    11193
WAT          131      131      131      131      131      131      131      131
WFT        18964    14794    13121    11543    10116     8749     6617     3671
TSFC       2.008    1.817    1.739    1.666    1.607    1.553    1.484    1.486
BPR         1.93     1.93     1.93     1.93     1.93     1.93     1.93     1.91
WAT2         474      474      474      474      474      474      474      474

N1          5347     5347     5347     5347     5347     5347     5347     5380
N2          7988     7988     7988     7988     7988     7988     7988     8050
PT30         8.1      8.1      8.1      8.1      8.1      8.1      8.1      8.4
PT4         28.4     28.4     28.4     28.4     28.4     28.4     28.4     29.5
TT30         921      921      921      921      921      921      921      929
TT4         1334     1334     1334     1334     1334     1334     1334     1349

PT9          5.1      5.1      5.1      5.1      5.1      5.1      5.1      5.3
PTD          7.0      7.1      7.2      7.3      7.3      7.4      7.5      7.9
TT9         2010     2010     2010     2010     2010     2010     2010     2009
TTD         3560     3000     2750     2500     2250     2000     1584      929
WAS/WAP   0.0395   0.0370   0.0359   0.0347   0.0334   0.0321   0.0298   0.0259
VENG        1980     1980     1980     1980     1980     1980     1980     1980
VDUCT       2618     2408     2308     2203     2093     1977     1765     1361
AJCDE       5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDD      10.30     9.09     8.55     8.02     7.49     6.96     6.04     4.20

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ALT        75000   WASIZE      640   PT2/PT2P  0.870   WBL3       3.00
MO          2.50   PAM         0.5   PT2         7.6   WBL4       0.
VA KTS      1443   TAM         395   TT2         886   HPEXT      0.

MAXTHR    MAX O/H                                       MIN O/H NOT LIT

FNT        11551     9798     8994     8171     7326     6446     5290     2765
FGT        23959    22206    21402    20579    19734    18854    17698    15174
WAT          164      164      164      164      164      164      164      164
WFT        22760    17581    15501    13544    11770    10076     8069     4380
TSFC       1.970    1.794    1.723    1.658    1.607    1.563    1.525    1.584
BPR         1.88     1.88     1.88     1.88     1.88     1.88     1.88     1.86
WAT2         412      412      412      412      412      412      412      412

N1          5261     5261     5261     5261     5261     5261     5261     5301
N2          8036     8036     8036     8036     8036     8036     8036     8087
PT30        12.1     12.1     12.1     12.1     12.1     12.1     12.1     12.4
PT4         36.4     36.4     36.4     36.4     36.4     36.4     36.4     37.8
TT30        1037     1037     1037     1037     1037     1037     1037     1044
TT4         1431     1431     1431     1431     1431     1431     1431     1446

PT9          6.5      6.5      6.5      6.5      6.5      6.5      6.5      6.7
PTD         10.9     11.1     11.1     11.2     11.3     11.3     11.4     11.9
TT9         2009     2009     2009     2009     2009     2009     2009     2008
TTD         3560     3000     2750     2500     2250     2000     1688     1044
WAS/WAP   0.0369   0.0346   0.0335   0.0324   0.0313   0.0301   0.0289   0.0250
VENG        1980     1980     1980     1980     1980     1980     1980     1980
VDUCT       2618     2408     2308     2204     2093     1977     1821     1441
AJCDE       5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.21
AJCDD       8.22     7.30     6.90     6.49     6.08     5.67     5.12     3.71

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ALT        75000   WASIZE      640   PT2/PT2P  0.846   WBL3       3.00
MO          2.70   PAM         0.5   PT2        10.1   WBL4       0.
VA KTS      1558   TAM         395   TT2         966   HPEXT      0.

MAXTHR    MAX O/H                                       MIN O/H NOT LIT

FNT        13224    11075    10094     9094     8066     6998     5938     2951
FGT        28995    26846    25864    24865    23837    22768    21708    18722
WAT          193      193      193      193      193      193      193      193
WFT        26018    19851 1738[illegible]    15154    13073    11039     9279     4913
TSFC       1.967    1.792    1.722    1.666    1.621    1.585    1.563    1.665
BPR         1.86     1.86     1.86     1.86     1.86     1.86     1.86     1.85
WAT2         382      382      382      382      382      382      382      382

N1          5205     5205     5205     5205     5205     5205     5205     5253
N2          8137     8137     8137     8137     8137     8137     8137     8173
PT30        15.6     15.6     15.6     15.6     15.6     15.6     15.6     15.9
PT4         43.2     43.2     43.2     43.2     43.2     43.2     43.2     44.8
TT30        1119     1119     1119     1119     1119     1119     1119     1126
TT4         1503     1503     1503     1503     1503     1503     1503     1518

PT9          7.7      7.7      7.7      7.7      7.7      7.7      7.7      7.9
PTD         14.3     14.4     14.5     14.5     14.6     14.7     14.7     15.2
TT9         2007     2007     2007     2007     2007     2007     2007     2006
TTD         3560     3000     2750     2500     2250     2000     1763     1126
WAS/WAP   0.0354   0.0331   0.0321   0.0311   0.0299   0.0288   0.0277   0.0244
VENG        1980     1980     1980     1980     1980     1980     1980     1979
VDUCT       2618     2408     2308     2204     2094     1977     1859     1495
AJCDE       5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.20
AJCDD       7.40     6.60     6.24     5.88     5.52     5.14     4.77     3.54

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ALT        55000   WASIZE        64C   PT2/PT2P  0.904   WBL3       3.00
MO          2.20   PAM           1.3   PT2        12.9   WBL4       0.
VA KTS      1262   TAM           390   TT2         767   HPEXT      0.

MAXTHR   MAX D/H                                          MIN D/H NOT LIT

FNT        26022    22594    20966    19332    17651    15897    12821     7570
FGT        48817    45349    43761    42127    40446    38691    35616    30365
WAT          344      344      344      344      344      344      344      344
WFT        50003    39136    34777    30665    26945    23381    17090    10209
TSFC       1.922    1.735    1.659    1.586    1.527    1.471    1.395    1.349
BPR         1.77     1.77     1.77     1.77     1.77     1.77     1.77     1.75
WAT2         478      478      478      478      478      478      478      478

N1          5395     5395     5395     5395     5395     5395     5395     5438
N2          8156     8156     8156     8156     8156     8156     8156     8205
PT30        22.8     22.8     22.8     22.8     22.8     22.8     22.8     23.5
PT4         79.1     79.1     79.1     79.1     79.1     79.1     79.1     82.0
TT30         926      926      926      926      926      926      926      935
TT4         1333     1333     1333     1333     1333     1333     1333     1349

PT9         14.2     14.2     14.2     14.2     14.2     14.2     14.2     14.7
PTD         20.0     20.4     20.6     20.7     20.9     21.0     21.2     22.3
TT9         2000     2000     2000     2000     2000     2000     2000     1998
TTD         3560     3000     2750     2500     2250     2000     1989      935
WAS/WAP   0.0375   0.0371   0.0360   0.0348   0.0336   0.0323   0.0301   0.0263
VENG        1976     1976     1976     1976     1976     1976     1976     1975
VDUCT       2618     2408     2308     2204     2093     1977     1767     1365
AJCDE       5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.21
AJCDD       9.36     8.27     7.81     7.34     6.86     6.38     5.56     3.88

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ALT        55000   WASIZE        64C   PT2/PT2P  0.870   WBL3       3.00
MO          2.50   PAM           1.3   PT2        19.8   WBL4       0.
VA KTS      1434   TAM           390   TT2         875   HPEXT      0.

MAXTHR   MAX D/H                                          MIN D/H NOT LIT

FNT        32784    27933    25709    23431    21093    18655    15398     8407
FGT        66506    61655    59430    57152    54812    52377    49120    47129
WAT          448      448      448      448      448      448      448      448
WFT        63007    48708    42966    37562    32665    27987    22352    12176
TSFC       1.922    1.744    1.671    1.603    1.549    1.500    1.452    1.448
BPR         1.83     1.83     1.83     1.83     1.83     1.83     1.83     1.81
WAT2         432      432      432      432      432      432      432      432

N1          5374     5374     5374     5374     5374     5374     5374     5413
N2          8155     8155     8155     8155     8155     8155     8155     8219
PT30        32.4     32.4     32.4     32.4     32.4     32.4     32.4     33.3
PT4        101.1    101.1    101.1    101.1    101.1    101.1    101.1    105.1
TT30        1030     1030     1030     1030     1030     1030     1030     1053
TT4         1432     1432     1432     1432     1432     1432     1432     1448

PT9         18.0     18.0     18.0     18.0     18.0     18.0     18.0     18.7
PTD         29.0     29.4     29.6     29.8     29.9     30.1     30.3     31.4
TT9         1997     1997     1997     1997     1997     1997     1997     1596
TTD         3550     3000     2750     2500     2250     2000     1683     1019
WAS/WAP   0.0371   0.0348   0.0337   0.0326   0.0316   0.0302   0.0296   0.0251
VENG        1974     1974     1974     1974     1974     1974     1974     1974
VDUCT       2614     2430     2309     2205     2092     1977     1818     1437
AJCDE       5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDD       8.55     7.53     7.16     6.74     6.31     5.88     5.30     3.82

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ALT        55000   WASIZE        64C   PT2/PT2P  0.846   WBL3       3.00
MO          2.70   PAM           1.3   PT2        26.3   WBL4       0.
VA KTS      1548   TAM           390   TT2         954   HPEXT      0.

MAXTHR   MAX D/H                                          MIN D/H NOT LIT

FNT        37510    31799    29052    26256    23378    20386    17297     8907
FGT        81066    75056    72309    69513    66634    63643    60554    52163
WAT          533      533      533      533      533      533      533      533
WFT        72859    55594    48684    42449    36626    31070    25813    13597
TSFC       1.927    1.748    1.676    1.617    1.567    1.524    1.492    1.527
BPR         1.85     1.85     1.85     1.85     1.85     1.85     1.85     1.84
WAT2         404      404      406      404      404      404      404      404

N1          5351     5351     5351     5351     5351     5351     5351     5392
N2          8219     8219     8219     8219     8219     8219     8219     8262
PT30        41.2     41.7     41.2     41.2     41.2     41.2     41.2     42.1
PT4        119.7    119.7    119.7    119.7    119.7    119.7    119.7    124.1
TT30        1108     1108     1108     1108     1108     1108     1108     1116
TT4         1505     1505     1505     1505     1505     1505     1505     1520

PT9         21.2     21.2     21.2     21.2     21.2     21.2     21.2     21.9
PTD         37.3     37.8     37.9     38.1     38.3     38.5     38.6     40.1
TT9         1994     1994     1994     1994     1994     1994     1994     1994
TTD         3560     3000     2750     2500     2250     2000     1753     1116
WAS/WAP   0.0355   0.0333   0.0323   0.0312   0.0301   0.0289   0.0278   0.0244
VENG        1973     1973     1973     1973     1973     1973     1973     1973
VDUCT       2618     2408     2308     2204     2093     1977     1854     1489
AJCDE       5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDD       7.92     7.05     6.66     6.27     5.88     5.48     5.07     3.74

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ALT        65000   WASIZE        64C   PT2/PT2P  0.904   WBL3       3.00
MO          2.20   PAM           0.8   PT2         8.0   WBL4       0.
VA KTS      1262   TAM           390   TT2         767   HPEXT      0.

MAXTHR   MAX D/H                                          MIN D/H NOT LIT

FNT        15919    13770    12789    11780    10741     9656     7728     4465
FGT        30045    27904    26924    25915    24876    23791    21963    18800
WAT          214      214      214      214      214      214      214      214
WFT        31016    24256    21544    18986    16672    14455    10997     6214
TSFC       1.950    1.762    1.685    1.612    1.552    1.497    1.423    1.392
BPR         1.82     1.82     1.82     1.82     1.82     1.82     1.82     1.81
WAT2         478      478      478      478      478      478      478      478

N1          5374     5374     5374     5374     5374     5374     5374     5410
N2          8092     8092     8092     8092     8092     8092     8092     8140
PT30        13.7     13.7     13.7     13.7     13.7     13.7     13.7     14.2
PT4         48.0     48.0     48.0     48.0     48.0     48.0     48.0     49.8
TT30         921      921      921      921      921      921      921      928
TT4         1330     1330     1330     1330     1330     1330     1330     1345

PT9          8.6      8.6      8.6      8.6      8.6      8.6      8.6      8.9
PTD         12.0     12.2     12.3     12.4     12.5     12.6     12.7     13.4
TT9         2004     2004     2004     2004     2004     2004     2004     2004
TTD         3560     3000     2750     2500     2250     2000     1583      928
WAS/WAP   0.0376   0.0372   0.0360   0.0349   0.0336   0.0323   0.0301   0.0262
VENG        1978     1978     1978     1978     1978     1978     1978     1978
VDUCT       2618     2408     2308     2203     2093     1977     1765     1360
AJCDE       5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.20
AJCDD       9.74     8.61     8.11     7.61     7.12     6.62     5.75     4.01

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ALT        65000   WASIZE        64C   PT2/PT2P  0.870   WBL3       3.00
MO          2.50   PAM           0.8   PT2        12.3   WBL4       0.
VA KTS      1434   TAM           390   TT2         875   HPEXT      0.

MAXTHR   MAX D/H                                          MIN D/H NOT LIT

FNT        20133    17129    15752    14340    12889    11380     9328     4980
FGT        41040    38040    36662    35250    33800    32290    30238    25891
WAT          278      278      278      278      278      278      278      278
WFT        39117    30220    26647    23285    20237    17326    13767     7434
TSFC       1.943    1.764    1.692    1.624    1.570    1.523    1.476    1.493
BPR         1.88     1.88     1.88     1.88     1.88     1.88     1.88     1.86
WAT2         432      432      432      432      432      432      432      432

N1          5355     5355     5355     5355     5355     5355     5355     5392
N2          8098     8098     8098     8098     8098     8098     8098     8162
PT30        19.7     19.7     19.7     19.7     19.7     19.7     19.7     20.2
PT4         61.6     61.6     61.6     61.6     61.6     61.6     61.6     64.0
TT30        1025     1025     1025     1025     1025     1025     1025     1033
TT4         1429     1429     1429     1429     1429     1429     1429     1444

PT9         11.0     11.0     11.0     11.0     11.0     11.0     11.0     11.4
PTD         17.5     17.8     17.9     18.0     18.1     18.2     18.3     19.2
TT9         2002     2002     2002     2002     2002     2002     2002     2001
TTD         3550     3000     2750     2500     2250     2000     1678     1033
WAS/WAP   0.0372   0.0348   0.0337   0.0326   0.0315   0.0302   0.0286   0.0250
VENG        1977     1977     1977     1977     1977     1977     1977     1976
VDUCT       2618     2408     2308     2204     2093     1977     1815     1434
AJCDE       5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.21
AJCDD       8.51     7.81     7.37     6.94     6.50     6.05     5.44     3.92

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ALT        65000   WASIZE        64C   PT2/PT2P  0.846   WBL3       3.00
MO          2.70   PAM           0.8   PT2        16.3   WBL4       0.
VA KTS      1549   TAM           390   TT2         954   HPEXT      0.

MAXTHR   MAX D/H                                          MIN D/H NOT LIT

FNT        23263    19540    17838    16104    14315    12463    10512     5290
FGT        50087    46364    44661    42927    41142    39206    37336    32114
WAT          330      330      330      330      330      330      330      330
WFT        45241    34500    30203    26325    22704    19248    15922     8319
TSFC       1.945    1.766    1.693    1.635    1.586    1.544    1.515    1.572
BPR         1.90     1.90     1.90     1.90     1.90     1.90     1.90     1.87
WAT2         404      404      404      404      404      404      404      404

N1          5331     5331     5331     5331     5331     5331     5331     5371
N2          8180     8180     8180     8180     8180     8180     8180     8219
PT30        25.1     25.1     25.1     25.1     25.1     25.1     25.1     25.6
PT4         73.1     73.1     73.1     73.1     73.1     73.1     73.1     75.7
TT30        1104     1104     1104     1104     1104     1104     1104     1111
TT4         1501     1501     1501     1501     1501     1501     1501     1516

PT9         13.0     13.0     13.0     13.0     13.0     13.0     13.0     13.4
PTD         22.6     22.9     23.0     23.2     23.3     23.4     23.5     24.4
TT9         2000     2000     2000     2000     2000     2000     2000     1999
TTD         3560     3000     2750     2500     2250     2000     1749     1111
WAS/WAP   0.0356   0.0334   0.0323   0.0312   0.0301   0.0290   0.0277   0.0244
VENG        1976     1976     1976     1976     1976     1976     1976     1976
VDUCT       2618     2408     2308     2204     2093     1977     1852     1485
AJCDE       5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDD       8.12     7.22     6.82     6.42     6.07     5.61     5.18     3.82

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ALT       75000    WASIZE      640    PT2/PT2P  0.904    WBL3       3.00
MO         2.20    PAM         C.5    PT2         5.3    WBL4       0.
VA KTS     1270    TAM         395    TT2         776    HPEXT      C.

PARTHR    MAX D/H                                        MIN D/H NOT LIT

FNT        9506     8195     7594     6974     6336     5668     4475     2471
FGT       18302    16289    16130    15768    15130    14462    13270    11265
WAT         132      132      132      132      132      132      132      132
WFT       19159    14919    13247    11651    10207     8824     6658     3678
TSFC      2.015    1.821    1.744    1.671    1.611    1.557    1.488    1.488
BPR        1.95     1.95     1.95     1.95     1.95     1.95     1.95     1.93
WAT2        478      478      478      478      478      478      478      478

N1         5362     5362     5362     5362     5362     5362     5362     5397
N2         7987     7987     7987     7987     7987     7987     7987     8050
PT3O        8.0      8.0      8.0      8.0      8.0      8.0      8.0      8.3
PT4        28.4     28.4     28.4     28.4     28.4     28.4     28.4     29.6
TT3O        919      919      919      919      919      919      919      927
TT4        1335     1335     1335     1335     1335     1335     1335     1350

PT9         5.1      5.1      5.1      5.1      5.1      5.1      5.1      5.3
PTO         6.9      7.0      7.1      7.2      7.2      7.3      7.4      7.8
TT9        2010     2010     2010     2010     2010     2010     2010     2009
TTO        3560     3000     2750     2500     2250     2000     1582      927
WAS/WAP  0.0395   0.0371   0.0359   0.0347   0.0334   0.0321   0.0298   0.0258
VENG       1981     1981     1981     1981     1981     1981     1981     1980
VOUCT      2615     2408     2300     2203     2093     1971     1764     1359
AJCOE      5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.21
AJCOO     10.62     9.36     8.80     8.25     7.70     7.15     6.20     4.29

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ALT       75000    WASIZE      640    PT2/PT2P  0.870    WBL3       3.00
MO         2.50    PAM         0.5    PT2         7.6    WBL4       0.
VA KTS     1443    TAM         395    TT2         886    HPEXT      C.

PARTHR    MAX D/H                                        MIN D/H NOT LIT

FNT       12135    10783     9437     8561     7665     6711     5470     2773
FGT       25145    23295    22441    21371    20675    19742    18481    15783
WAT         172      172      172      172      172      172      172      172
WFT       24136    19508    16374    14291    12384    10571     8370     4416
TSFC      1.989    1.809    1.736    1.669    1.616    1.571    1.530    1.592
BPR        1.98     1.98     1.99     1.99     1.99     1.98     1.98     1.97
WAT2        432      432      432      432      432      432      432      432

N1         5349     5349     5349     5349     5349     5349     5349     5383
N2         8040     8040     8040     8040     8040     8040     8040     8090
PT3O       11.7     11.7     11.7     11.7     11.7     11.7     11.7     12.1
PT4        36.8     36.8     36.8     36.8     36.8     36.8     36.9     38.2
TT3O       1027     1027     1027     1027     1027     1027     1027     1035
TT4        1436     1436     1436     1436     1436     1436     1436     1450

PT9         6.6      6.6      6.6      6.6      6.6      6.6      6.6      6.8
PTO        10.3     10.5     10.6     10.7     10.7     10.8     10.9     11.4
TT9        2007     2007     2007     2007     2007     2007     2007     2006
TTO        3550     3000     2750     2500     2250     2000     1680     1035
WAS/WAP  0.0370   0.0347   0.0336   0.0325   0.0313   0.0301   0.0284   0.0248
VENG       1979     1979     1979     1979     1979     1979     1979     1979
VOUCT      2619     2408     2308     2204     2092     1977     1816     1435
AJCOE      5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCOO      9.29     8.22     7.75     7.29     6.82     6.35     5.72     4.12

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ALT       75000    WASIZE      640    PT2/PT2P  0.846    WBL3       3.00
MO         2.70    PAM         C.5    PT2        10.1    WBL4       0.
VA KTS     1555    TAM         395    TT2         966    HPEXT      C.

PARTHR    MAX D/H                                        MIN D/H NOT LIT

FNT       14068    11765    10717     9639     8534     7385     6193     2960
FGT       30759    28455    27401    26328    25223    24074    22983    19650
WAT         204      204      204      204      204      204      204      204
WFT       27918    21235    18569    16147    13893    11743     9699     4963
TSFC      1.985    1.805    1.733    1.675    1.628    1.590    1.566    1.677
BPR        1.98     1.98     1.98     1.98     1.98     1.98     1.98     1.97
WAT2        404      404      404      404      404      404      404      404

N1         5315     5315     5315     5315     5315     5315     5315     5358
N2         8146     8146     8146     8146     8146     8146     8146     8183
PT3O       15.1     15.1     15.1     15.1     15.1     15.1     15.1     15.4
PT4        43.9     43.9     43.9     43.9     43.9     43.9     43.9     45.5
TT3O       1107     1107     1107     1107     1107     1107     1107     1114
TT4        1509     1509     1509     1509     1509     1509     1509     1524

PT9         7.8      7.8      7.8      7.8      7.8      7.8      7.8      8.0
PTO        13.5     13.7     13.7     13.8     13.9     14.0     14.0     14.6
TT9        2005     2005     2005     2005     2005     2005     2005     2004
TTO        3560     3000     2750     2500     2250     2000     1752     1115
WAS/WAP  0.0355   0.0332   0.0322   0.0311   0.0300   0.0288   0.0276   0.0242
VENG       1979     1979     1979     1979     1979     1979     1979     1978
VOUCT      2618     2408     2308     2204     2093     1977     1854     1488
AJCOE      5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.21
AJCOO      8.48     7.56     7.12     6.70     6.28     5.85     5.40     3.98

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ALT       55000    WASIZE        640    PT2/PT2P  0.904    WBL3        3.00
MO         2.20    PAM           1.3    PT2        12.9    WBL4         0.
VA KTS     1262    TAM           390    TT2         767    HPEXT        0.

MAXTHR   MAX D/H                                           MIN D/H NOT LIT

FNT        25512    22125    20573    18975    17324    15623    12658     7557
FGT        47850    44467    42908    41312    39671    37560    34995    29894
WAT          337      337      337      337      337      337      337      337
WFT        48763    38195    33966    29974    26162    22903    17627    10181
TSFC       1.911    1.726    1.651    1.580    1.521    1.466    1.393    1.347
BPR         1.72     1.72     1.72     1.72     1.72     1.72     1.72     1.71
WAT2         468      468      468      468      468      468      468      468

N1          5367     5367     5367     5367     5367     5367     5367     5414
N2          8156     8156     8156     8156     8156     8156     8156     8205
PT3D        23.2     23.2     23.2     23.2     23.2     23.2     23.2     23.8
PT4         78.7     78.7     78.7     78.7     78.7     78.7     78.7     81.7
TT3D         931      931      931      931      931      931      931      940
TT4         1332     1332     1332     1332     1332     1332     1332     1348

PT9         14.1     14.1     14.1     14.1     14.1     14.1     14.1     14.6
PTD         20.6     21.0     21.1     21.3     21.4     21.5     21.7     22.7
TT9         2000     2000     2000     2000     2000     2000     2000     1959
TTD         3560     3300     2750     2500     2250     2000     1593      940
WAS/WAP   0.0395   0.0371   0.0357   0.0348   0.0338   0.0323   0.0302   0.0264
VENG        1976     1976     1976     1975     1976     1976     1976     1975
VOUCT       2618     2408     2308     2203     2093     1977     1770     1369
AJCDE       5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCOD       8.83     7.83     7.39     6.94     6.50     6.05     5.28     3.71

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ALT       55000    WASIZE        640    PT2/PT2P  0.870    WBL3        3.00
MO         2.52    PAM           1.3    PT2        19.7    WBL4         0.
VA KTS     1434    TAM           390    TT2         875    HPEXT        0.

MAXTHR   MAX D/H                                           MIN D/H NOT LIT

FNT        29880    25535    23539    21517    19628    17257    14537     8444
FGT        60854    56509    54513    52491    50602    48231    45511    39417
WAT          412      412      412      412      412      412      412      412
WFT        56476    43901    38695    34051    29774    25672    21002    12132
TSFC       1.925    1.719    1.646    1.583    1.533    1.488    1.445    1.437
BPR         1.63     1.63     1.63     1.63     1.63     1.63     1.63     1.60
WAT2         397      397      397      397      397      397      397      397

N1          5296     5296     5296     5296     5296     5296     5296     5381
N2          8152     8152     8152     8152     8152     8152     8152     8216
PT3D        34.2     34.2     34.2     34.2     34.2     34.2     34.2     35.2
PT4        100.0    100.0    100.0    100.0    100.0    100.0    100.0    104.6
TT3D        1051     1051     1051     1051     1051     1051     1051     1061
TT4         1428     1428     1428     1428     1428     1428     1428     1447

PT9         17.8     17.8     17.8     17.8     17.8     17.8     17.8     18.6
PTD         31.7     32.0     32.2     32.3     32.4     32.5     32.6     34.0
TT9         1998     1998     1998     1998     1998     1998     1998     1976
TTD         3560     3000     2750     2500     2250     2000     1702     1061
WAS/WAP   0.0360   0.0346   0.0336   0.0325   0.0314   0.0302   0.0288   0.0255
VENG        1975     1975     1975     1975     1975     1975     1975     1974
VOUCT       2618     2408     2308     2204     2093     1977     1828     1453
AJCDE       5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.20
AJCOD       6.87     6.13     5.80     5.47     5.13     4.79     4.36     3.15

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ALT       55000    WASIZE        640    PT2/PT2P  0.846    WBL3        3.00
MO         2.70    PAM           1.3    PT2        26.3    WBL4         0.
VA KTS     1548    TAM           390    TT2         954    HPEXT        0.

MAXTHR   MAX D/H                                           MIN D/H NOT LIT

FNT        32429    27434    25156    22840    20659    17986    15769     8437
FGT        70321    65327    63049    60732    58351    55879    53662    46329
WAT          466      466      466      466      466      466      466      466
WFT        61126    47098    41476    36402    31667    27149    23407    12792
TSFC       1.885    1.717    1.649    1.594    1.548    1.509    1.484    1.516
BPR         1.52     1.52     1.52     1.52     1.52     1.52     1.52     1.55
WAT2         354      354      354      354      354      354      354      354

N1          5291     5291     5291     5291     5291     5291     5291     5303
N2          8211     8211     8211     8211     8211     8211     8211     8194
PT3D        44.6     44.6     44.6     44.6     44.6     44.6     44.6     44.7
PT4        118.7    118.7    118.7    118.7    118.7    118.7    118.7    120.3
TT3D        1143     1143     1143     1143     1143     1143     1143     1143
TT4         1502     1502     1502     1502     1502     1502     1502     1507

PT9         21.0     21.0     21.0     21.0     21.0     21.0     21.0     21.2
PTD         42.2     42.5     42.6     42.7     42.8     42.9     43.0     43.5
TT9         1996     1996     1996     1996     1996     1996     1996     1951
TTD         3560     3000     2750     2500     2250     2000     1785     1144
WAS/WAP   0.0351   0.0330   0.0321   0.0311   0.0300   0.0289   0.0280   0.0248
VENG        1974     1974     1974     1974     1974     1974     1974     1953
VOUCT       2618     2408     2309     2204     2094     1977     1871     1507
AJCDE       5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.20
AJCOD       5.69     5.10     4.83     4.56     4.28     4.00     3.74     2.87

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ALT       65000    WASIZE        640    PT2/PT2P  0.904    WBL3        3.00
MO         2.20    PAM           0.8    PT2         8.0    WBL4         0.
VA KTS     1262    TAM           390    TT2         767    HPEXT        0.

MAXTHR   MAX D/H                                           MIN D/H NOT LIT

FNT        15609    13513    12554    11567    10552     9493     7629     4457
FGT        29459    27364    26405    25418    24403    23344    21480    18308
WAT          209      209      209      209      209      209      209      209
WFT        30248    23681    21047    18562    16314    14161    10831     6193
TSFC       1.938    1.752    1.677    1.605    1.546    1.492    1.420    1.389
BPR         1.78     1.78     1.78     1.78     1.78     1.78     1.78     1.77
WAT2         468      468      468      468      468      468      468      468

N1          5338     5338     5338     5338     5338     5338     5338     5381
N2          8091     8091     8091     8091     8091     8091     8091     8141
PT3D        14.0     14.0     14.0     14.0     14.0     14.0     14.0     14.4
PT4         47.7     47.7     47.7     47.7     47.7     47.7     47.7     48.5
TT3D         925      925      925      925      925      925      925      933
TT4         1328     1328     1328     1328     1328     1328     1328     1343

PT9          8.6      8.6      8.6      8.6      8.6      8.6      8.6      8.9
PTD         12.3     12.6     12.7     12.8     12.8     12.9     13.0     13.7
TT9         2005     2005     2005     2005     2005     2005     2005     2004
TTD         3560     3000     2750     2500     2250     2000     1547      933
WAS/WAP   0.0396   0.0371   0.0360   0.0348   0.0336   0.0323   0.0301   0.0262
VENG        1978     1978     1978     1978     1978     1978     1978     1978
VOUCT       2618     2408     2308     2203     2093     1977     1757     1364
AJCDE       5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.21
AJCOD       9.18     8.13     7.66     7.20     6.74     6.27     5.46     3.82

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ALT       65000    WASIZE        640    PT2/PT2P  0.870    WBL3        3.00
MO         2.50    PAM           0.8    PT2        12.3    WBL4         0.
VA KTS     1434    TAM           390    TT2         875    HPEXT        0.

MAXTHR   MAX D/H                                           MIN D/H NOT LIT

FNT        18364    15665    14425    13165    11868    10519     8792     4982
FGT        37571    34872    33632    32372    31075    29726    27998    24188
WAT          255      255      255      255      255      255      255      255
WFT        35116    27268    24021    21148    18461    15894    12923     7378
TSFC       1.912    1.741    1.665    1.606    1.556    1.511    1.470    1.481
BPR         1.69     1.69     1.69     1.69     1.69     1.69     1.69     1.66
WAT2         397      397      397      397      397      397      397      397

N1          5245     5245     5245     5245     5245     5245     5245     5320
N2          8096     8096     8096     8096     8096     8096     8096     8156
PT3D        20.7     20.7     20.7     20.7     20.7     20.7     20.7     21.3
PT4         60.6     60.6     60.6     60.6     60.6     60.6     60.6     63.3
TT3D        1044     1044     1044     1044     1044     1044     1044     1054
TT4         1423     1423     1423     1423     1423     1423     1423     1440

PT9         10.8     10.8     10.8     10.8     10.8     10.8     10.9     11.3
PTD         19.1     19.3     19.4     19.5     19.6     19.6     19.7     20.6
TT9         2004     2004     2004     2004     2004     2004     2004     2002
TTD         3560     3000     2750     2500     2250     2000     1695     1054
WAS/WAP   0.0369   0.0347   0.0336   0.0325   0.0314   0.0303   0.0288   0.0254
VENG        1978     1978     1978     1978     1978     1978     1978     1977
VOUCT       2618     2408     2308     2204     2093     1977     1824     1448
AJCDE       5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.20
AJCOD       7.10     6.33     5.99     5.65     5.30     4.94     4.49     3.24

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ALT       65000    WASIZE        640    PT2/PT2P  0.846    WBL3        3.00
MO         2.70    PAM           0.8    PT2        16.3    WBL4         0.
VA KTS     1548    TAM           390    TT2         954    HPEXT        0.

MAXTHR   MAX D/H                                           MIN D/H NOT LIT

FNT        19771    16862    15444    14003    12520    10981     9564     5272
FGT        43667    40357    38941    37499    36017    34477    33059    24768
WAT          289      289      289      289      289      289      289      289
WFT        38010    29272    25763    22595    19639    16817    14422     8176
TSFC       1.906    1.736    1.668    1.614    1.569    1.532    1.509    1.551
BPR         1.57     1.57     1.57     1.57     1.57     1.57     1.57     1.56
WAT2         354      354      354      354      354      354      354      354

N1          5233     5233     5233     5233     5233     5233     5233     5296
N2          8169     8169     8169     8165     8169     8169     8169     8198
PT3D        27.1     27.1     27.1     27.1     27.1     27.1     27.1     27.6
PT4         72.1     72.1     72.1     72.1     72.1     72.1     72.1     74.6
TT3D        1136     1136     1136     1136     1136     1136     1136     1143
TT4         1496     1496     1496     1496     1496     1496     1496     1511

PT9         12.8     12.8     12.8     12.8     12.8     12.8     12.8     13.2
PTD         25.6     25.8     25.9     26.0     26.0     26.1     26.1     26.8
TT9         2001     2001     2001     2001     2001     2001     2001     1593
TTD         3560     3000     2750     2500     2250     2000     1719     1143
WAS/WAP   0.0352   0.0331   0.0321   0.0311   0.0301   0.0290   0.0280   0.0249
VENG        1977     1977     1977     1977     1977     1977     1977     1973
VOUCT       2618     2408     2309     2204     2094     1977     1868     1507
AJCDE       5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.19
AJCOD       5.85     5.24     4.96     4.68     4.40     4.11     3.84     2.87

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DOWNGRADED AT 3 YEAR INTERVALS;
DECLASSIFIED AFTER 12 YEARS.
DOD DIR 5200.10

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ALT        75000    WASIZE        640    PT2/PT2P  0.904    WBL3       3.00
MU          2.20    PAM           0.5    PT2         5.0    WBL4       0.
VA KTS      1270    TAM           395    TT2         776    HPEXT      0.

MAXTHR    MAX D/H                                          MIN D/H NOT LIT

FNT         9147      8055      7465      6858      6232      5579      4424      2468
FGT        17959     16672     16085     15475     14850     14197     13041     11085
WAT          129       129       129       129       129       129       129       129
WFT        18696     16546     12942     11391      9987      8643      6556      3661
TSFC       2.000     1.811     1.734     1.661     1.602     1.549     1.482     1.484
BPR         1.91      1.91      1.91      1.91      1.91      1.91      1.91      1.89
WAT2         469       469       468       469       468       468       468       468

N1          5321      5321      5321      5321      5321      5321      5321      5357
N2          7987      7987      7987      7987      7987      7987      7987      9050
PT3D         8.2       8.2       8.2       8.2       8.2       8.2       8.2       8.5
PT4         29.3      29.3      29.3      29.3      29.3      29.3      29.3      29.4
TT3D         923       923       923       923       923       923       923       931
TT4         1332      1332      1332      1332      1332      1332      1332      1347

PT9          5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.3
PTD          7.1       7.3       7.3       7.4       7.5       7.5       7.6       8.0
TT9         2011      2011      2011      2011      2011      2011      2011      2010
TTD         3560      3000      2750      2500      2250      2000      1585       531
WAS/WAP   0.0395    0.0370    0.0357    0.0347    0.0334    0.0321    0.0299    0.0259
VENG        1981      1981      1981      1981      1981      1981      1981      1981
VDUCT       2619      2408      2308      2203      2093      1977      1766      1362
AJCDE       5.21      5.21      5.21      5.21      5.21      5.21      5.21      5.21
AJCDD       9.33      8.78      8.25      7.75      7.25      6.74      5.86      4.07

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ALT        75000    WASIZE        640    PT2/PT2P  0.870    WBL3       3.00
MU          2.50    PAM           0.5    PT2         7.6    WBL4       0.
VA KTS      1443    TAM           395    TT2         888    HPEXT      0.

MAXTHR    MAX D/H                                          MIN D/H NOT LIT

FNT        11085      9412      8642      7861      7055      6218      5144      2759
FGT        23036     21362     20593     19811     19006     18169     17095     14709
WAT          158       158       158       158       158       158       158       158
WFT        21712     16808     14778     12983     11309      9697      7941      4357
TSFC       1.959     1.786     1.710     1.652     1.603     1.560     1.526     1.580
BPR         1.80      1.80      1.80      1.80      1.80      1.80      1.80      1.78
WAT2         397       397       397       397       397       397       397       397

N1          5198      5198      5198      5198      5198      5198      5198      5251
N2          8031      8031      8031      8031      8031      8031      8031      8085
PT3D        12.4      12.4      12.4      12.4      12.4      12.4      12.4      12.7
PT4         36.0      36.0      36.0      36.0      36.0      36.0      36.0      37.5
TT3D        1044      1044      1044      1044      1044      1044      1044      1053
TT4         1428      1428      1428      1428      1428      1428      1428      1443

PT9          6.4       6.4       6.4       6.4       6.4       6.4       6.4       6.7
PTD         11.3      11.5      11.5      11.6      11.6      11.7      11.7      12.2
TT9         2010      2010      2010      2010      2010      2010      2010      2009
TTD         3562      3000      2750      2500      2250      2000      1695      1053
WAS/WAP   0.0368    0.0346    0.0335    0.0324    0.0313    0.0301    0.0286    0.0251
VENG        1981      1981      1981      1981      1981      1981      1981      1980
VDUCT       2619      2408      2308      2204      2093      1977      1824      1447
AJCDE       5.20      5.20      5.20      5.20      5.20      5.20      5.20      5.20
AJCDD       7.50      6.88      6.31      5.95      5.59      5.20      4.72      3.33

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ALT        75000    WASIZE        640    PT2/PT2P  0.846    WBL3       3.00
MU          2.70    PAM           0.5    PT2        10.1    WBL4       0.
VA KTS      1556    TAM           395    TT2         966    HPEXT      0.

MAXTHR    MAX D/H                                          MIN D/H NOT LIT

FNT        12093  [illegible]    9276      8378      7454      6495      5613      2570
FGT        26713     24779     23896     22999     22076     21115     20233     17590
WAT          179       179       179       179       179       179       179       179
WFT        23543     19059     15862     13979     12029     10263      8765      4898
TSFC       1.947     1.779     1.710     1.657     1.614     1.580     1.562     1.649
BPR         1.67      1.67      1.67      1.67      1.67      1.67      1.67      1.65
WAT2         354       354       354       354       354       354       354       354

N1          5157      5157      5157      5157      5157      5157      5157      5225
N2          8131      8131      8131      8131      8131      8131      8131      8168
PT3D        16.3      16.3      16.3      16.3      16.3      16.3      16.3      16.6
PT4         42.9      42.9      42.9      42.9      42.9      42.9      42.9      44.6
TT3D        1137      1137      1137      1137      1137      1137      1137      1146
TT4         1500      1500      1500      1500      1500      1500      1500      1517

PT9          7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.9
PTD         15.3      15.4      15.4      15.5      15.5      15.6      15.6      16.1
TT9         2008      2008      2008      2008      2008      2008      2008      2007
TTD         3560      3000      2750      2500      2250      2000      1779      1146
WAS/WAP   0.0351    0.0330    0.0320    0.0310    0.0299    0.0288    0.0278    0.0247
VENG        1980      1980      1980      1980      1980      1980      1980      1979
VDUCT       2618      2405      2309      2204      2094      1977      1868      1508
AJCDE       5.21      5.21      5.21      5.21      5.21      5.21      5.21      5.20
AJCDD       6.15      5.50      5.21      4.92      4.62      4.31      4.03      3.00

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ALT        55000   WASIZE       640   PT2/PT2P  0.904   WBL3       3.00
MO          2.20   PAM          1.3   PT2        12.9   WBL4       0.
VA KTS      1262   TAM          390   TT2         767   HPEXT      0.

CRUISE   MAX D/H                                        MIN D/H NOT LIT

FNT        25274    21832    20255    18631    16959    15213    12064     6784
FGT        47884    44442    42865    41241    39569    37823    34674    29394
WAT          342      342      342      342      342      342      342      342
WFT        49426    38496    34112    29976    26237    22652    16992     9247
TSFC       1.956    1.763    1.684    1.609    1.547    1.489    1.408    1.363
BPR         1.83     1.83     1.83     1.83     1.83     1.83     1.83     1.82
WAT2         474      474      474      474      474      474      474      474

N1          5318     5318     5318     5318     5318     5318     5318     5354
N2          8006     8006     8006     8006     8006     8006     8006     8059
PT3D        21.8     21.8     21.8     21.8     21.8     21.8     21.8     22.4
PT4         75.2     75.2     75.2     75.2     75.2     75.2     75.2     78.0
TT3D         915      915      915      915      915      915      915      922
TT4         1315     1315     1315     1315     1315     1315     1315     1329

PT9         13.4     13.4     13.4     13.4     13.4     13.4     13.4     13.9
PTD         18.9     19.3     19.4     19.6     19.7     19.9     20.1     21.2
TT9         1921     1921     1921     1921     1921     1921     1921     1920
TTD         3560     3000     2750     2500     2250     2000     1578      923
WAS/WAP   0.0394   0.0370   0.0358   0.0346   0.0334   0.0321   0.0298   0.0258
VENG        1937     1937     1937     1937     1937     1937     1937     1937
VDUCT       2618     2408     2308     2203     2093     1977     1762     1356
AJCDE       5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.21
AJCDD       9.99     8.83     8.31     7.80     7.29     6.77     5.87     4.08

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ALT        55000   WASIZE       640   PT2/PT2P  0.870   WBL3       3.00
MO          2.50   PAM          1.3   PT2        19.8   WBL4       0.
VA KTS      1434   TAM          390   TT2         875   HPEXT      0.

CRUISE   MAX D/H                                        MIN D/H NOT LIT

FNT        30658    26050    23934    21775    19554    17263    14141     7474
FGT        62819    59210    56098    53934    51715    49404    46291    39636
WAT          428      428      428      428      428      428      428      428
WFT        59213    45649    40203    35077    30431    25993    20612    10539
TSFC       1.931    1.752    1.679    1.611    1.556    1.507    1.459    1.464
BPR         1.80     1.80     1.80     1.80     1.80     1.80     1.80     1.79
WAT2         412      412      412      412      412      412      412      412

N1          5236     5236     5236     5236     5236     5236     5236     5280
N2          8021     8021     8021     8021     8021     8021     8021     8077
PT3D        32.1     32.1     32.1     32.1     32.1     32.1     32.1     32.9
PT4         95.7     95.7     95.7     95.7     95.7     95.7     95.7     97.4
TT3D        1028     1028     1029     1028     1028     1029     1028     1036
TT4         1411     1411     1411     1411     1411     1411     1411     1426

PT9         16.9     16.9     16.9     16.9     16.9     16.9     16.9     17.6
PTD         29.0     29.4     29.5     29.7     29.8     30.0     30.2     31.4
TT9         1919     1919     1919     1919     1919     1919     1919     1918
TTD         3560     3000     2750     2500     2250     2000     1680     1036
WAS/WAP   0.0369   0.0345   0.0335   0.0324   0.0312   0.0300   0.0284   0.0249
VENG        1937     1937     1937     1937     1937     1937     1937     1936
VDUCT       2618     2408     2308     2204     2093     1977     1816     1636
AJCDE       5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDD       8.11     7.20     6.81     6.41     6.00     5.59     5.05     3.65

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ALT        55000   WASIZE       640   PT2/PT2P  0.846   WBL3       3.00
MO          2.70   PAM          1.3   PT2        26.3   WBL4       0.
VA KTS      1548   TAM          390   TT2         954   HPEXT      0.

CRUISE   MAX D/H                                        MIN D/H NOT LIT

FNT        34955    29331    26757    24118    21443    18642    15757     7887
FGT        75859    70705    67631    65012    62317    59516    56631    48761
WAT          503      503      503      503      503      503      503      503
WFT        67594    51457    44998    39170    33728    28535    23631    12191
TSFC       1.933    1.754    1.682    1.623    1.573    1.531    1.500    1.545
BPR         1.79     1.79     1.79     1.79     1.79     1.79     1.79     1.78
WAT2         382      382      382      382      382      382      382      382

N1          5189     5189     5189     5189     5189     5189     5189     5237
N2          8111     8111     8111     8111     8111     8111     8111     8147
PT3D        41.1     41.1     41.1     41.1     41.1     41.1     41.1     41.9
PT4        113.4    113.4    113.4    113.4    113.4    113.4    113.4    117.6
TT3D        1109     1109     1109     1109     1109     1109     1109     1116
TT4         1482     1482     1482     1482     1482     1482     1482     1497

PT9         20.0     20.0     20.0     20.0     20.0     20.0     20.0     20.7
PTD         37.7     38.1     38.3     38.4     38.6     38.7     38.9     40.2
TT9         1917     1917     1917     1917     1917     1917     1917     1917
TTD         3560     3000     2750     2500     2250     2000     1754     1118
WAS/WAP   0.0353   0.0331   0.0321   0.0310   0.0299   0.0287   0.0276   0.0243
VENG        1936     1936     1936     1936     1936     1936     1936     1936
VDUCT       2618     2408     2308     2204     2093     1977     1855     1489
AJCDE       5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.20
AJCDD       7.32     6.53     6.18     5.82     5.46     5.09     4.71     3.49

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ALT        65000   WASIZE       640   PT2/PT2P  0.904   WBL3       3.00
MO          2.20   PAM          0.8   PT2         8.0   WBL4       0.
VA KTS      1262   TAM          390   TT2         767   HPEXT      0.

CRUISE   MAX D/H                                        MIN D/H NOT LIT

FNT        15443    13320    12347    11344    10311     9232     7260     3988
FGT        29464    27341    26368    25365    24332    23253    21280    18008
WAT          212      212      212      212      212      212      212      212
WFT        30469    23867    21138    18565    16238    14008    10445     5629
TSFC       1.986    1.792    1.712    1.636    1.575    1.517    1.439    1.412
BPR         1.90     1.90     1.90     1.90     1.90     1.90     1.90     1.88
WAT2         474      474      474      474      474      474      474      474

N1          5300     5300     5300     5300     5300     5300     5300     5333
N2          7935     7935     7935     7935     7935     7935     7935     7993
PT3D        13.1     13.1     13.1     13.1     13.1     13.1     13.1     13.5
PT4         45.6     45.6     45.6     45.6     45.6     45.6     45.6     47.4
TT3D         909      909      909      909      909      909      909      917
TT4         1311     1311     1311     1311     1311     1311     1311     1325

PT9          8.2      8.2      8.2      8.2      8.2      8.2      8.2      8.5
PTD         11.3     11.5     11.6     11.7     11.8     11.9     12.1     12.7
TT9         1925     1925     1925     1925     1925     1925     1925     1925
TTD         3560     3000     2750     2500     2250     2000     1575      917
WAS/WAP   0.0395   0.0370   0.0359   0.0347   0.0334   0.0321   0.0297   0.0257
VENG        1940     1940     1940     1940     1940     1940     1940     1939
VDUCT       2618     2408     2308     2203     2093     1977     1759     1352
AJCDE       5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDD      10.41     9.19     8.64     8.10     7.57     7.03     6.07     4.21

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ALT        65000   WASIZE       640   PT2/PT2P  0.870   WBL3       3.00
MO          2.50   PAM          0.8   PT2        12.3   WBL4       0.
VA KTS      1434   TAM          390   TT2         875   HPEXT      0.

CRUISE   MAX D/H                                        MIN D/H NOT LIT

FNT        18829    15974    14666    13326    11950    10517     8558     4415
FGT        38770    35917    34608    33269    31892    30460    28500    24357
WAT          265      265      265      265      265      265      265      265
WFT        36758    28322    24934    21747    18857    16096    12700     6679
TSFC       1.952    1.773    1.700    1.632    1.578    1.530    1.484    1.513
BPR         1.85     1.85     1.85     1.85     1.85     1.85     1.85     1.84
WAT2         412      412      412      412      412      412      412      412

N1          5214     5214     5214     5214     5214     5214     5214     5255
N2          7974     7974     7974     7974     7974     7974     7974     8026
PT3D        19.5     19.5     19.5     19.5     19.5     19.5     19.5     20.0
PT4         58.3     58.3     58.3     58.3     58.3     58.3     58.3     63.5
TT3D        1023     1023     1023     1023     1023     1023     1023     1031
TT4         1407     1407     1407     1407     1407     1407     1407     1422

PT9         10.3     10.3     10.3     10.3     10.3     10.3     10.3     10.7
PTD         17.5     17.8     17.9     18.0     18.1     18.2     18.3     19.1
TT9         1924     1924     1924     1924     1924     1924     1924     1923
TTD         3560     3000     2750     2500     2250     2000     1675     1031
WAS/WAP   0.0370   0.0346   0.0335   0.0324   0.0313   0.0300   0.0284   0.0248
VENG        1939     1939     1939     1939     1939     1939     1939     1939
VDUCT       2618     2408     2308     2204     2093     1977     1814     1432
AJCDE       5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.21
AJCDD       8.34     7.40     6.99     6.58     6.17     5.76     5.17     3.73

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ALT        65000   WASIZE       640   PT2/PT2P  0.846   WBL3       3.00
MO          2.70   PAM          0.8   PT2        16.3   WBL4       0.
VA KTS      1548   TAM          390   TT2         954   HPEXT      0.

CRUISE   MAX D/H                                        MIN D/H NOT LIT

FNT        21519    18025    16429    14804    13131    11393     9569     4670
FGT        46864    43371    41774    40149    38477    36739    34915    30016
WAT          312      312      312      312      312      312      312      312
WFT        41988    31945    27927    24301    20915    17684    14578     7458
TSFC       1.951    1.772    1.700    1.642    1.593    1.552    1.523    1.597
BPR         1.84     1.84     1.84     1.84     1.84     1.84     1.84     1.83
WAT2         382      382      382      382      382      382      382      382

N1          5160     5160     5160     5160     5160     5160     5160     5206
N2          8073     8073     8073     8073     8073     8073     8073     8109
PT3D        25.0     25.0     25.0     25.0     25.0     25.0     25.0     25.5
PT4         69.2     69.2     69.2     69.2     69.2     69.2     69.2     71.7
TT3D        1104     1104     1104     1104     1104     1104     1104     1111
TT4         1478     1478     1478     1478     1478     1478     1478     1493

PT9         12.2     12.2     12.2     12.2     12.2     12.2     12.2     12.6
PTD         22.9     23.1     23.3     23.3     23.4     23.5     23.6     24.5
TT9         1922     1922     1922     1922     1922     1922     1922     1922
TTD         3560     3000     2750     2500     2250     2000     1749     1111
WAS/WAP   0.0354   0.0332   0.0321   0.0310   0.0299   0.0288   0.0276   0.0242
VENG        1938     1938     1938     1938     1938     1938     1938     1938
VDUCT       2618     2408     2308     2204     2093     1977     1852     1488
AJCDE       5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.20
AJCDD       7.41     6.69     6.32     5.96     5.59     5.21     4.81     3.56

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ALT       75000   WASIZE     640   PT2/PT2P  0.904   WBL3      3.00
MO         2.20   FAN        0.5   PT2         5.0   WBL4      0.
VA KTS     1270   TAM        395   TT2         776   HPEXT      0.

CRUISE   MAX D/H                                   MIN D/H NOT LIT

FNT        9211     7913     7318     6704     6070     5407     4192     2186
FGT       17934    16636    16041    15427    14793    14130    12915    10909
WAT         131      131      131      131      131      131      131      131
WFT       18947    14706    13005    11400     9949     8558     6333     3331
TSFC      2.057    1.858    1.777    1.700    1.639    1.583    1.511    1.524
BPR        2.03     2.03     2.03     2.03     2.03     2.03     2.03     2.00
WAT2        474      474      474      474      474      474      474      474

N1         5286     5286     5286     5286     5286     5286     5286     5325
N2         7836     7836     7836     7836     7835     7836     7836     7902
PT30        7.7      7.7      7.7      7.7      7.7      7.7      7.7      8.0
PT4        27.0     27.0     27.0     27.0     27.0     27.0     27.0     28.1
TT30        909      909      909      909      909      909      905      916
TT4        1316     1316     1316     1316     1316     1316     1316     1331

PT9         4.8      4.8      4.8      4.8      4.8      4.8      4.8      5.0
PTD         6.4      6.6      6.7      6.7      6.8      6.9      7.0      7.4
TT9        1931     1931     1931     1931     1931     1931     1931     1930
TTD        3560     3000     2750     2500     2250     2000     1572      916
WAS/WAP  0.0395   0.0369   0.0357   0.0345   0.0332   0.0319   0.0295   0.0254
VENG       1942     1942     1942     1942     1942     1942     1942     1942
VDUCT      2618     2409     2308     2203     2093     1977     1758     1352
AJCDE      5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDD     11.38    10.01     9.39     8.80     8.20     7.61     6.56     4.10

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ALT       75000   WASIZE     660   PT2/PT2P  0.870   WBL3      3.00
MO         2.50   FAN        0.5   PT2         7.6   WBL4      0.
VA KTS     1445   TAM        395   TT2         886   HPEXT      0.

CRUISE   MAX D/H                                   MIN D/H NOT LIT

FNT       11350      589     8782     7754     7103     6218     5014     2443
FGT       23758    21997    21190    20362    19511   186[illegible]    17922    16851
WAT         164      164      164      164      164      164      164      164
WFT       22679    17430    15327    13339    11561     9324     7725     3767
TSFC      1.998    1.819    1.745    1.677    1.625    1.580    1.540    1.426
BPR        1.95     1.95     1.95     1.95     1.95     1.95     1.95     1.95
WAT2        412       41      412      412      412      412      412      412

N1         5232     5202     5202     5202     5202     5202     5202     5249
N2         7932     7932     7932     7932     7932     7932     7932     7969
PT30       11.7     11.7     11.7     11.7     11.7     11.7     11.7     11.9
PT4        34.9     34.9     34.9     34.9     34.5     34.9     34.9     36.1
TT30       1025     1025     1025     1025     1025     1025     1025     1032
TT4        1414     1414     1414     1414     1414     1414     1414     1428

PT9         6.2      6.2      6.2      6.2      6.2      6.2      6.2      6.4
PTD        10.4     10.6     10.6     10.7     10.7     10.8     10.9     11.3
TT9        1929     1929     1929     1929     1929     1929     1929     1928
TTD        3560     3000     2750     2500     2250     2000     1678     1032
WAS/WAP  0.0369   0.0345   0.0334   0.0323   0.0311   0.0299   0.0282   0.0246
VENG       1942     1942     1942     1942     1942     1942     1942     1941
VDUCT      2618     2409     2308     2204     2093     1977     1915     1433
AJCDE      5.20     5.20     5.20     5.20     5.20     5.20     5.21     5.21
AJCDD      8.75     7.76     7.32     6.85     6.4[illegible]     6.00     5.41     3.91

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ALT       75000   WASIZE     640   PT2/PT2P  0.846   WBL3      3.00
MO         2.70   FAN        0.5   PT2        10.1   WBL4      0.
VA KTS     1558   TAM        395   TT2         966   HPEXT      0.

CRUISE   MAX D/H                                   MIN D/H NOT LIT

FNT       13017    10454     9865     8859     7822     6745     5629     2592
FGT       20798    26625    25636    24629    23595    22515    21399    18362
WAT         193      193      193      193      193      193      193      193
WFT       25926    19673    17170    14912    12804    10791     8881     4442
TSFC      1.992    1.812    1.740    1.683    1.637    1.600    1.578    1.714
BPR        1.93     1.93     1.93     1.93     1.93     1.93     1.93     1.92
WAT2        382      382      382      382      382      382      382      382

N1         5133     5133     5133     5133     5133     5133     5133     5179
N2         8039     8039     8039     8039     8039     8039     8039     8074
PT30       15.1     15.1     15.1     15.1     15.1     15.1     15.1     15.4
PT4        41.4     41.4     41.4     41.4     41.4     41.4     41.4     42.9
TT30       1108     1108     1108     1108     1109     1108     1108     1115
TT4        1485     1485     1485     1485     1485     1485     1485     1500

PT9         7.3      7.3      7.3      7.3      7.3      7.3      7.3      7.6
PTD        13.7     13.8     13.9     14.0     14.0     14.1     14.2     14.7
TT9        1928     1928     1928     1928     1928     1928     1928     1927
TTO        3560     3000     2750     2500     2250     2000     1752     1115
WAS/WAP  0.0353   0.0330   0.0320   0.0309   0.0299   0.0286   0.0274   0.0240
VENG       1941     1941     1941     1941     1941     1941     1941     1941
VDUCT      2618     2408     2308     2204     2093     1977     1854     1488
AJCDE      5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.21
AJCDD      7.82  [illegible]     6.58     6.20     5.81     5.42     5.01     3.71

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DOWNGRADED AT 3 YEAR INTERVALS;
DECLASSIFIED AFTER 12 YEARS.
DOD DIR 5200.10

ALT	55000	WASIZE	640	PT2/PT2P	0.904	WBL3	3.00
MO	2.20	PAM	1.3	PT2	12.9	WBL4	0.
VA KTS.	1262	TAM	390	TT2	767	HPEXT	0.

CRUISE	MAX D/H						MIN D/H NOT LIT
FNT	25454	21988	20198	19761	17074	15312	12122	6787
FGT	46252	44783	43193	41555	39468	38107	34916	25582
WAT	344	344	344	344	344	344	344	344
WFT	49926	38869	34114	30250	26468	22842	17097	9261
TSFC	1.961	1.768	1.689	1.531	1.550	1.492	1.410	1.365
BPR	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.84
WAT2	478	478	478	478	478	478	478	478
N1	5334	5334	5334	5334	5334	5334	5334	5368
N2	8005	8005	8005	8005	8005	8005	8005	8059
PT30	21.6	21.6	21.6	21.6	21.6	21.6	21.6	22.3
PT4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	78.2
TT30	913	913	913	913	913	913	913	921
TT4	1316	1316	1316	1316	1316	1316	1316	1330
PT9	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.9
PTD	18.6	19.0	19.2	19.4	19.5	19.7	19.9	21.0
TT9	1920	1920	1920	1920	1920	1920	1920	1920
TTD	3560	3000	2750	2500	2250	2000	1576	921
WAS/WAP	0.0395	0.0370	0.0358	0.0346	0.0334	0.0321	0.0279	0.0258
VENG	1937	1937	1937	1937	1937	1937	1937	1937
VDUCT	2618	2408	2308	2203	2093	1977	1761	1355
AJCDE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.21
AJCDD	10.24	9.04	8.50	7.98	7.45	6.91	6.00	4.16

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ALT	55000	WASIZE	640	PT2/PT2P	0.870	WBL3	3.00
MO	2.50	PAM	1.3	PT2	19.8	WBL4	0.
VA KTS	1434	TAM	390	TT2	875	HPEXT	0.

CRUISE	MAX D/H						MIN D/H NOT LIT
FNT	32204	27317	25101	22910	20455	18003	14600	7479
FGT	65430	61059	58823	56532	54177	51725	48321	41200
WAT	448	448	448	448	448	448	448	448
WFT	62835	48187	42501	37020	32050	27301	21384	11012
TSFC	1.951	1.764	1.693	1.616	1.567	1.516	1.465	1.472
BPR	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.89
WAT2	432	432	432	432	432	432	432	432
N1	5317	5317	5317	5317	5317	5317	5317	5352
N2	8022	8022	8022	8022	8022	8022	8022	8087
PT30	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.9
PT4	96.7	96.7	96.7	96.7	96.7	96.7	96.7	100.4
TT30	1018	1018	1018	1018	1018	1018	1018	1026
TT4	1415	1415	1415	1415	1415	1415	1415	1429
PT9	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.7
PTD	27.4	27.9	28.1	28.3	28.4	28.6	28.8	31.2
TT9	1919	1918	1918	1918	1919	1918	1918	1917
TTD	3560	3000	2750	2500	2250	2000	1671	1026
WAS/WAP	0.0373	0.0347	0.0336	0.0324	0.0313	0.0300	0.0263	0.0247
VENG	1936	1936	1935	1936	1936	1936	1936	1936
VDUCT	2618	2408	2308	2204	2093	1977	1812	1428
AJCDE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.21
AJCDD	9.17	8.12	7.66	7.20	6.74	6.27	5.63	4.05

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ALT	55000	WASIZE	640	PT2/PT2P	0.846	WBL3	3.00
MO	2.70	PAM	1.3	PT2	26.3	WBL4	0.
VA KTS	1548	TAM	390	TT2	954	HPEXT	0.

CRUISE	MAX D/H						MIN D/H NOT LIT
FNT	37200	31160	29396	25581	22683	19669	16421	7832
FGT	80456	74416	71653	68518	65940	62926	59679	51139
WAT	533	533	533	533	533	533	533	533
WFT	72607	55105	49805	41799	35885	30259	24710	12284
TSFC	1.952	1.768	1.694	1.634	1.582	1.538	1.505	1.568
BPR	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.91
WAT2	404	404	404	404	404	404	404	404
N1	5287	5287	5287	5287	5287	5287	5287	5324
N2	8116	8116	8116	8116	8116	8116	8116	8152
PT30	39.7	39.7	39.7	39.7	39.7	39.7	39.7	40.6
PT4	114.9	114.9	114.9	114.9	114.9	114.9	114.9	118.9
TT30	1097	1097	1097	1097	1097	1097	1097	1103
TT4	1487	1487	1487	1487	1487	1487	1487	1501
PT9	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.9
PTD	[illegible]	36.1	36.3	36.5	36.7	36.9	37.1	38.5
TT9	1916	1916	1916	1916	1916	1916	1916	1915
TTD	3560	3000	2750	2500	2250	2000	1743	1104
WAS/WAP	0.0355	0.0332	0.0321	0.0311	0.0299	0.0288	0.0275	0.0241
VENG	1935	1935	1935	1935	1935	1935	1935	1935
VDUCT	2618	2408	2308	2204	2093	1977	1849	1481
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
AJCDD	8.41	7.47	7.05	6.64	6.22	5.79	5.36	3.94

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ALT	65000	WASIZE	640	PT2/PT2P	0.904	WBL3	3.00
MO	2.20	PAM	0.8	PT2	8.0	WBL4	0.
VA KTS	1262	TAM	390	TT2	767	HPEXT	0.

CRUISE	MAX D/H						MIN D/H NOT LIT
FNT	15550	13411	12431	11420	10375	9290	7294	3989
FGT	29685	27546	26566	25555	24517	23425	21428	18123
WAT	214	214	214	214	214	214	214	214
WFT	30974	24095	21336	18733	16381	14125	10511	5639
TSFC	1.992	1.797	1.716	1.640	1.578	1.520	1.441	1.414
BPR	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.90
WAT2	478	478	478	478	478	478	478	478
N1	5317	5317	5317	5317	5317	5317	5317	5340
N2	7937	7937	7937	7937	7937	7937	7937	7993
PT30	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.4
PT4	45.7	45.7	45.7	45.7	45.7	45.7	45.7	47.5
TT30	908	908	908	908	908	908	908	915
TT4	1312	1312	1312	1312	1312	1312	1312	1326
PT9	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.5
PTD	11.1	11.4	11.5	11.6	11.7	11.8	11.9	12.6
TT9	1925	1925	1925	1925	1925	1925	1925	1925
TTD	3560	3000	2750	2500	2250	2000	1571	915
WAS/WAP	0.0396	0.0371	0.0359	0.0347	0.0334	0.0321	0.0277	0.0257
VENG	1939	1939	1939	1939	1939	1939	1939	1939
VDUCT	2618	2408	2308	2203	2093	1977	1758	1351
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
AJCDD	10.68	9.42	8.85	8.30	7.75	7.19	6.21	4.30

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ALT	65000	WASIZE	640	PT2/PT2P	0.870	WBL3	3.00
MO	2.50	PAM	0.8	PT2	12.3	WBL4	0.
VA KTS	1434	TAM	390	TT2	875	HPEXT	0.

CRUISE	MAX D/H						MIN D/H NOT LIT
FNT	19767	16756	15373	13955	12497	10978	8845	4419
FGT	40679	37666	36283	34865	33407	31889	29756	25330
WAT	278	278	278	278	278	278	278	278
WFT	38978	29963	26344	22938	19850	16899	13181	6729
TSFC	1.972	1.788	1.714	1.644	1.588	1.539	1.490	1.523
BPR	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.94
WAT2	432	432	432	432	432	432	432	432
N1	5303	5303	5303	5303	5303	5303	5303	5335
N2	7980	7980	7980	7980	7980	7980	7980	8028
PT30	18.9	18.9	18.9	18.9	18.9	18.9	18.9	19.4
PT4	59.0	59.0	59.0	59.0	59.0	59.0	59.0	61.2
TT30	1014	1014	1014	1014	1014	1014	1014	1021
TT4	1412	1412	1412	1412	1412	1412	1412	1426
PT9	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.8
PTD	16.6	16.9	17.0	17.1	17.2	17.3	17.5	18.3
TT9	1922	1922	1922	1922	1922	1922	1922	1922
TTD	3560	3000	2750	2500	2250	2000	1667	1021
WAS/WAP	0.0371	0.0347	0.0336	0.0325	0.0313	0.0300	0.0283	0.0246
VENG	1938	1938	1938	1938	1938	1938	1938	1938
VDUCT	2618	2408	2308	2203	2093	1977	1910	1425
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
AJCDD	9.42	8.33	7.86	7.39	6.91	6.43	5.76	4.14

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ALT	65000	WASIZE	640	PT2/PT2P	0.846	WBL3	3.00
MO	2.70	PAM	0.9	PT2	16.3	WBL4	0.
VA KTS	1548	TAM	390	TT2	954	HPEXT	0.

CRUISE	MAX D/H						MIN D/H NOT LIT
FNT	22878	19147	17432	15687	13890	12022	9975	4673
FGT	49701	45970	44255	42510	40714	38845	36749	31496
WAT	330	330	330	330	330	330	330	330
WFT	44947	34252	29847	25920	22252	18750	15249	7525
TSFC	1.965	1.789	1.712	1.652	1.602	1.560	1.529	1.610
BPR	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.96
WAT2	404	404	404	404	404	404	404	404
N1	5265	5265	5265	5265	5265	5265	5265	5307
N2	8080	8080	8080	8080	8080	8080	8080	8115
PT30	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.7
PT4	70.1	70.1	70.1	70.1	70.1	70.1	70.1	72.6
TT30	1093	1093	1093	1093	1093	1093	1093	1099
TT4	1484	1484	1484	1484	1484	1484	1484	1498
PT9	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.8
PTD	21.6	21.9	22.0	22.2	22.3	22.4	22.5	23.4
TT9	1921	1921	1921	1921	1921	1921	1921	1920
TTD	3560	3000	2750	2500	2250	2000	1739	1059
WAS/WAP	0.0355	0.0333	0.0322	0.0311	0.0300	0.0288	0.0275	0.0240
VENG	1938	1938	1938	1938	1938	1938	1938	1937
VDUCT	2618	2408	2308	2204	2093	1977	1847	1478
AJCDE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.21
AJCDD	8.62	7.65	7.22	6.80	6.37	5.93	5.45	4.01

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ALT         75000   WASIZE        640   PT2/PT2P  0.936    WBL3        1.00
MO           2.27   PAM           0.5   PT2           5.0  WBL4        0.
VA KTS       1470   TAM           395   TT2           776  HPEXT       0.

CRUISE    MAX D/H                                          MIN D/H NOT LIT

FNT          9264     7959     7360     6742     6106     5436     4207     2184
FGT         17058    16753    16156    15535    14875    14230    13001    10578
WAT           132      132      132      132      132      132      132      132
WFT         19134    14848    13127    11504    10037     8630     6373     3339
TSFC        2.066    1.866    1.784    1.706    1.644    1.588    1.515    1.528
BPR          2.06     2.06     2.06     2.06     2.06     2.06     2.06     2.02
WAT2          478      478      478      478      478      478      478      478

N1           5302     5302     5302     5302     5302     5302     5302     5342
N2           7836     7836     7836     7836     7836     7836     7836     7902
PT30          7.6      7.6      7.6      7.6      7.6      7.6      7.6      7.9
PT4          27.1     27.1     27.1     27.1     27.1     27.1     27.1     28.2
TT30          907      907      907      907      907      907      907      915
TT4          1317     1317     1317     1317     1317     1317     1317     1342

PT9           4.8      4.8      4.8      4.8      4.8      4.8      4.8      5.0
PTD           6.3      6.5      6.6      6.6      6.7      6.8      6.9      7.3
TT9          1931     1931     1931     1931     1931     1931     1931     1930
TTD          3500     3000     2750     2500     2250     2000     1570      915
WAS/WAP    0.0395   0.0369   0.0358   0.0345   0.0332   0.0319   0.0295   0.0254
VENG         1942     1942     1942     1942     1942     1942     1942     1942
VDUCT        2618     2499     2308     2203     2093     1977     1758     1351
AJCDE        5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDD       11.74    10.31     9.67     9.05     8.44     7.82     6.74     4.60

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ALT         75000   WASIZE        640   PT2/PT2P  0.870    WBL3        3.00
MO           2.52   PAM           0.5   PT2           7.6  WBL4        0.
VA KTS       1443   TAM           395   TT2           886  HPEXT       0.

CRUISE    MAX D/H                                          MIN D/H NOT LIT

FNT         11911    10055     9202     8327     7427     6489     5181     2442
FGT         24921    23065    22217    21347    20437    19494    18191    15453
WAT           172      172      172      172      172      172      172      172
WFT         24056    18447    16195    14076    12154    10318     8021     4000
TSFC        2.020    1.835    1.760    1.690    1.637    1.590    1.548    1.638
BPR          2.06     2.06     2.06     2.06     2.06     2.06     2.06     2.05
WAT2          432      432      432      432      432      432      432      432

N1           5285     5285     5285     5285     5285     5285     5285     5326
N2           7937     7937     7937     7937     7937     7937     7937     7974
PT30         11.3     11.3     11.3     11.3     11.3     11.3     11.3     11.6
PT4          35.3     35.3     35.3     35.3     35.3     35.3     35.3     36.6
TT30         1017     1017     1017     1017     1017     1017     1017     1023
TT4          1419     1419     1419     1419     1419     1419     1419  [illegible]

PT9           6.3      6.3      6.3      6.3      6.3      6.3      6.3      6.5
PTD           9.8     10.0     10.1     10.1     10.2     10.3     10.4     10.9
TT9          1928     1928     1928     1928     1928     1929     1928     1927
TTD          3500     3000     2750     2500     2250     2000     1670     1023
WAS/WAP    0.0370   0.0346   0.0335   0.0323   0.0311   0.0299   0.0281   0.0244
VENG         1941     1941     1941     1941     1941     1941     1941     1941
VDUCT        2619     2408     2308     2203     2093     1977     1811     1427
AJCDE        5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDD        9.33     8.77     8.27     7.76     7.26     6.75     6.05     4.35

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ALT         75000   WASIZE        640   PT2/PT2P  0.846    WBL3        3.00
MO           2.73   PAM           0.5   PT2          10.1  WBL4        0.
VA KTS       1558   TAM           395   TT2           966  HPEXT       0.

CRUISE    MAX D/H                                          MIN D/H NOT LIT

FNT         13833    11521    10462     9383     8272     7115     5869     2589
FGT         30522    28211    27152    26073    24961    23805    22559    19279
WAT           204      204      204      204      204      204      204      204
WFT         27821    21051    18344    15901    13619    11441     9295     4486
TSFC        2.011    1.827    1.753    1.695    1.646    1.608    1.584    1.733
BPR          2.06     2.06     2.06     2.06     2.06     2.06     2.06     2.05
WAT2          404      404      404      404      404      404      404      404

N1           5246     5246     5246     5246     5246     5246     5246     5289
N2           8048     8048     8048     8048     8048     8048     8048     8081
PT30         14.5     14.5     14.5     14.5     14.5     14.5     14.5     14.9
PT4          42.1     42.1     42.1     42.1     42.1     42.1     42.1     43.6
TT30         1097     1097     1097     1097     1097     1097     1097     1104
TT4          1491     1491     1491     1491     1491     1491     1491     1506

PT9           7.4      7.4      7.4      7.4      7.4      7.4      7.4      7.7
PTD          12.8     13.1     13.1     13.2     13.3     13.4     13.5     14.0
TT9          1926     1926     1926     1926     1926     1926     1926     1925
TTD          3500     3000     2750     2500     2250     2000     1743     1104
WAS/WAP    0.0354   0.0331   0.0321   0.0305   0.0298   0.0286   0.0273   0.0238
VENG         1940     1940     1940     1940     1940     1940     1940     1940
VDUCT        2518     2408     2308     2204     2093     1977     1849     1481
AJCDE        5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.21
AJCDD        9.01     7.98     7.53     7.09     6.63     6.17     5.68     4.18

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ALT        55000   WASIZE      640   PT2/PT2P  0.904   WBL3      3.00
MO          2.20   PAM         1.3   PT2        12.9   WBL4      0.
VA KTS      1262   TAM         390   TT2         767   HPEXT     0.

CRUISE   MAX D/H                                       MIN D/H NOT LIT

FNT        24995   21594   20036   18433   16783   15061   11977    6775
FGT        47341   43931   42373   40770   39120   37398   34313   29112
WAT          337     337     337     337     337     337     337     337
WFT        48677   37936   33628   29563   25888   22365   16836    9223
TSFC       1.968   1.757   1.678   1.604   1.542   1.485   1.406   1.361
BPR         1.81    1.81    1.81    1.81    1.81    1.81    1.81    1.80
WAT2         468     468     468     468     468     468     468     468

N1          5298    5298    5298    5298    5298    5298    5298    5334
N2          8006    8006    8006    8006    8006    8006    8006    8096
PT30        22.0    22.0    22.0    22.0    22.0    22.0    22.0    22.7
PT4         75.0    75.0    75.0    75.0    75.0    75.0    75.0    77.7
TT30         918     918     918     918     918     918     918     925
TT4         1314    1314    1314    1314    1314    1314    1314    1328

PT9         13.4    13.4    13.4    13.4    13.4    13.4    13.4    13.9
PTD         19.3    19.6    19.8    20.0    20.1    20.2    20.4    21.5
TT9         1920    1920    1920    1920    1920    1920    1920    1920
TTD         3560    3000    2750    2500    2250    2000    1580     925
WAS/WAP   0.0394  0.0369  0.0358  0.0346  0.0334  0.0321  0.0298  0.0259
VENG        1937    1937    1937    1937    1937    1937    1937    1937
VDUCT       2618    2408    2308    2203    2093    1977    1763    1358
AJCDE       5.21    5.21    5.21    5.21    5.21    5.21    5.21    5.20
AJCDD       9.57    8.51    8.01    7.52    7.01    6.54    5.68    3.97

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ALT        55000   WASIZE      640   PT2/PT2P  0.870   WBL3      3.00
MO          2.50   PAM         1.1   PT2  [illegible]  WBL4      0.
VA KTS      1434   TAM         390   TT2         875   HPEXT     0.

CRUISE   MAX D/H                                       MIN D/H NOT LIT

FNT        29419   25929   23013   20956   18461   16663   13757    7490
FGT        60149   55939   53987   51124   49819   47617   44711   39456
WAT          412     412     412     412     412     412     412     412
WFT        56416   43601   38666   33595   29200   25007   20029   10569
TSFC       1.918   1.767   1.671   1.603   1.550   1.502   1.456   1.456
BPR         1.72    1.72    1.72    1.72    1.72    1.72    1.72    1.69
WAT2         397     397     397     397     397     397     397     397

N1          5188    5188    5188    5188    5188    5188    5188    5253
N2          8019    8019    8019    8019    8019    8019    8019    8076
PT30        32.8    32.8    32.8    32.8    32.8    32.8    32.8    33.6
PT4         95.0    95.0    95.0    95.0    95.0    95.0    95.0    97.0
TT30        1036    1036    1036    1036    1036    1036    1036    1045
TT4         1409    1408    1409    1408    1409    1408    1408    1424

PT9         16.9    16.9    16.9    16.9    16.9    16.9    16.9    17.5
PTD         30.1    30.4    30.6    30.7    30.8    30.9    31.1    32.6
TT9         1920    1920    1920    1920    1920    1920    1920    1919
TTD         3560    3000    2750    2500    2250    2000    1688    1045
WAS/WAP   0.0369  0.0345  0.0336  0.0323  0.0312  0.0300  0.0285  [illegible]
VENG        1937    1937    1937    1937    1937    1937    1937    1936
VDUCT       2619    2408    2308    2204    2093    1977    1921    1442
AJCDE       5.20    5.20    5.20    5.20    5.20    5.20    5.20    5.20
AJCDD       7.33    6.58    6.22    5.86    5.50    5.13    4.66  [illegible]

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ALT        55000   WASIZE      640   PT2/PT2P  0.846   WBL3      3.00
MO          2.70   PAM         1.3   PT2        26.3   WBL4      0.
VA KTS      1548   TAM         390   TT2         954   HPEXT     0.

CRUISE   MAX D/H                                       MIN D/H NOT LIT

FNT        31967   26902   24591   22240   19824   17313   14918    7963
FGT        69859   64794   62483   60133   57716   55206   52810   45855
WAT          466     466     466     466     466     466     466     466
WFT        61039   46714   40977   35799   30965   26354   22301   12179
TSFC       1.909   1.736   1.665   1.610   1.562   1.522   1.495   1.530
BPR         1.60    1.60    1.60    1.60    1.60    1.60    1.60    1.59
WAT2         354     354     354     354     354     354     354     354

N1          5166    5166    5166    5166    5166    5166    5166    5236
N2          8106    8106    8106    8106    8106    8106    8106    8145
PT30        43.0    43.0    43.0    43.0    43.0    43.0    43.0    43.9
PT4        113.0   113.0   113.0   113.0   113.0   113.0   113.0   117.4
TT30        1128    1128    1128    1128    1128    1128    1128    1136
TT4         1481    1481    1481    1481    1481    1481    1481    1497

PT9         19.9    19.9    19.9    19.9    19.9    19.9    19.9    20.7
PTD         40.4    40.7    40.8    41.0    41.1    41.7    41.3    42.6
TT9         1918    1918    1918    1918    1918    1918    1918    1917
TTD         3560    3000    2750    2500    2250    2000    1771    1136
WAS/WAP   0.0350  0.0329  0.0319  0.0309  0.0298  0.0287  0.0277  0.0246
VENG        1936    1936    1936    1936    1936    1936    1936    1936
VDUCT       2618    2408    2308    2204    2094    1977    1864    1502
AJCDE       5.21    5.21    5.21    5.21    5.21    5.21    5.21    5.20
AJCDD       6.07    5.43    5.14    4.85    4.56    4.25    3.96    2.95

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ALT        65000   WASIZE      640   PT2/PT2P  0.904   WBL3      3.00
MO          2.20   PAM         0.8   PT2         8.0   WBL4      0.
VA KTS      1262   TAM         390   TT2         767   HPEXT     0.

CRUISE   MAX D/H                                       MIN D/H NOT LIT

FNT        15277   13178   12217   11227   10207    9142    7207    3394
FGT        29127   27029   26068   25078   24058   22993   21058   17635
WAT          209     209     209     209     209     209     209     209
WFT        30219   23524   20842   18312   16029   13933   10368    5615
TSFC       1.978   1.785   1.706   1.631   1.570   1.513   1.436   1.409
BPR         1.87    1.87    1.87    1.87    1.87    1.87    1.87    1.86
WAT2         468     468     468     468     468     468     468     468

N1          5277    5277    5277    5277    5277    5277    5277    5311
N2          7936    7936    7936    7936    7936    7936    7936    7993
PT30        13.3    13.3    13.3    13.3    13.3    13.3    13.3    13.7
PT4         45.5    45.5    45.5    45.5    45.5    45.5    45.5    47.2
TT30         912     912     912     912     912     912     912     919
TT4         1310    1310    1310    1310    1310    1310    1310    1324

PT9          8.1     8.1     8.1     8.1     8.1     8.1     8.1     8.4
PTD         11.5    11.7    11.8    11.9    12.0    12.1    12.3    12.7
TT9         1926    1926    1926    1926    1926    1926    1926    1925
TTD         3560    3000    2750    2500    2250    2000    1575     919
WAS/WAP   0.0395  0.0370  0.0358  0.0346  0.0334  0.0321  0.0298  0.0258
VENG        1940    1940    1940    1940    1940    1940    1940    1940
VDUCT       2618    2408    2308    2203    2093    1977    1760    1354
AJCDE       5.21    5.21    5.21    5.21    5.21    5.21    5.21    5.21
AJCDD      10.33    9.86    8.35    7.82    7.31    6.79    5.88    4.09

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ALT        65000   WASIZE      640   PT2/PT2P  0.870   WBL3      3.00
MO          2.50   PAM         0.8   PT2        12.3   WBL4      0.
VA KTS      1434   TAM         390   TT2         875   HPEXT     0.

CRUISE   MAX D/H                                       MIN D/H NOT LIT

FNT        18072   15348   14100   12823   11511   10147    8326    4409
FGT        37273   34554   33307   32029   30718   29354   27533   23515
WAT          255     255     255     255     255     255     255     255
WFT        35050   27060   23852   20832   18095   15482   12336    6647
TSFC       1.939   1.763   1.697   1.625   1.572   1.526   1.482   1.508
BP          1.77    1.77    1.77    1.77    1.77    1.77    1.77    1.75
WAT2         397     397     397     397     397     397     397     397

N1          5154    5154    5154    5154    5154    5154    5154    5208
N2          7971    7971    7971    7971    7971    7971    7971    8023
PT30        19.9    19.9    19.9    19.9    19.9    19.9    19.9    20.4
PT4         57.8    57.8    57.8    57.8    57.8    57.8    57.8    60.1
TT30        1031    1031    1031    1031    1031    1031    1031    1039
TT4         1404    1404    1404    1404    1404    1404    1404    1419

PT9         10.3    10.3    10.3    10.3    10.3    10.3    10.3    10.7
PTD         18.2    18.4    18.5    18.6    18.7    18.8    18.9    19.6
TT9         1925    1925    1925    1925    1925    1925    1925    1924
TTD         3560    3000    2750    2500    2250    2000    1683    1039
WAS/WAP   0.0369  0.0346  0.0335  0.0324  0.0312  0.0300  0.0285  0.0249
VENG        1940    1940    1940    1940    1940    1940    1940    1939
VDUCT       2619    2408    2308    2204    2093    1977    1818    1438
AJCDE       5.20    5.20    5.20    5.20    5.20    5.20    5.20    5.20
AJCDD       7.60    5.77    6.40    6.02    5.65    5.27    4.76    3.44

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ALT        65000   WASIZE      640   PT2/PT2P  0.846   WBL3      3.00
MO          2.70   PAM         0.8   PT2        16.3   WBL4      0.
VA KTS      1548   TAM         390   TT2         954   HPEXT     0.

CRUISE   MAX D/H                                       MIN D/H NOT LIT

FNT        19692   16534   15098   13637   12134   10574    9048    4708
FGT        43178   40031   38594   37134   35631   34070   32545   28204
WAT          289     289     289     289     289     289     289     289
WFT        37957   29026   25450   22223   19210   16335   13750    7437
TSFC       1.929   1.756   1.686   1.630   1.583   1.545   1.520   1.580
BPR         1.65    1.65    1.65    1.65    1.65    1.65    1.65    1.63
WAT2         354     354     354     354     354     354     354     354

N1          5117    5117    5117    5117    5117    5117    5117    5183
N2          8068    8068    8068    8068    8068    8068    8068    8104
PT30        26.2    26.2    26.2    26.2    26.2    26.2    26.2    26.7
PT4         68.7    68.7    68.7    68.7    68.7    68.7    68.7    71.4
TT30        1122    1122    1122    1122    1122    1122    1122    1130
TT4         1476    1476    1476    1476    1476    1476    1476    1492

PT9         12.1    12.1    12.1    12.1    12.1    12.1    12.1    12.6
PTD         24.5    24.7    24.8    24.9    25.0    25.0    25.1    25.9
TT9         1923    1923    1923    1923    1923    1923    1923    1922
TTD         3560    3000    2750    2500    2250    2000    1766    1130
WAS/WAP   0.0351  0.0330  0.0320  0.0309  0.0299  0.0288  0.0277  0.0245
VENG        1939    1939    1939    1939    1939    1939    1939    1938
VDUCT       2618    2408    2308    2204    2094    1977    1861    1499
AJCDE       5.21    5.21    5.21    5.21    5.21    5.21    5.21    5.20
AJCDD       6.23    5.57    5.28    4.98    4.67    4.36    4.06    3.01

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ALT	75000	WASIZE	640	PT2/PT2P	0.904	WBL3	3.00
MO	2.22	PAM	0.5	PT2	5.0	WBL4	0.
VA KTS	1270	TAM	394	TT2	776	HPEXT	0.

CRUISE MAX D/H MIN D/H NOT LIT

FNT	9121	7753	7250	6642	6016	5351	4167	2198
FGT	17741	16656	15967	15260	14622	13979	12784	10805
WAT	129	129	129	129	129	129	129	129
WFT	18666	14495	12827	11245	9818	8451	6273	3323
TSFC	2.046	1.869	1.769	1.693	1.632	1.576	1.505	1.519
BPR	2.00	2.00	2.00	2.00	2.00	2.00	2.00	1.97
WAT2	468	468	468	468	468	468	468	468
N1	5265	5265	5265	5265	5265	5265	5265	5301
N2	7835	7835	7835	7835	7835	7835	7835	7903
PT3D	7.8	7.8	7.8	7.8	7.8	7.8	7.8	8.1
PT4	26.9	26.9	26.9	26.9	26.9	26.9	26.9	28.0
TT3D	911	911	911	911	911	911	911	919
TT4	1315	1315	1315	1315	1315	1315	1315	1330
PT9	4.8	4.8	4.8	4.8	4.8	4.8	4.8	5.0
PTO	6.6	6.8	6.9	6.9	7.0	7.0	7.1	7.6
TT9	1932	1932	1932	1932	1932	1932	1932	1931
TTO	3560	3000	2750	2500	2250	2000	1574	919
WAS/WAP	0.0374	0.0362	0.0357	0.0345	0.0332	0.0319	0.0295	0.0255
VENG	1943	1943	1943	1943	1943	1943	1941	1942
VDUCT	2619	2408	2308	2203	2093	1977	1759	1393
AJCDE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.21
AJCDD	10.90	9.50	9.02	8.45	7.89	7.33	6.33	4.36

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ALT	75000	WASIZE	640	PT2/PT2P	0.870	WBL3	3.00
MO	2.50	PAM	0.5	PT2	7.6	WBL4	0.
VA KTS	1443	TAM	395	TT2	896	HPEXT	0.

CRUISE MAX D/H MIN D/H NOT LIT

FNT	10931	9216	8445	7654	6843	5998	4875	2436
FGT	22851	21167	20395	19606	19795	17948	16925	14386
WAT	158	158	158	158	158	158	158	158
WFT	21641	16663	14665	12783	11079	9450	7498	3940
TSFC	1.980	1.808	1.737	1.670	1.619	1.576	1.538	1.618
BPR	1.87	1.87	1.87	1.87	1.87	1.87	1.87	1.86
WAT2	397	397	397	397	397	397	397	397
N1	5128	5128	5128	5128	5128	5128	5128	5171
N2	7926	7926	7926	7926	7926	7926	7926	7965
PT3D	11.9	11.9	11.9	11.9	11.9	11.9	11.9	12.2
PT4	34.5	34.5	34.5	34.5	34.5	34.5	34.5	35.8
TT3D	1033	1033	1033	1033	1033	1033	1033	1040
TT4	1410	1410	1410	1410	1410	1410	1410	1425
PT9	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.4
PTO	10.8	11.0	11.0	11.1	11.1	11.2	11.2	11.7
TT9	1931	1931	1931	1931	1931	1931	1931	1930
TTO	3560	3000	2750	2500	2250	2000	1686	1240
WAS/WAP	0.0368	0.0344	0.0334	0.0322	0.0311	0.0299	0.0283	0.0247
VENG	1942	1942	1942	1942	1942	1942	1942	1942
VDUCT	2618	2409	2308	2204	2093	1977	1818	1438
AJCDE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.21
AJCDD	7.97	7.09	6.70	6.31	5.91	5.51	4.88	3.61

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ALT	75000	WASIZE	640	PT2/PT2P	0.846	WBL3	3.00
MO	2.75	PAM	0.5	PT2	10.1	WBL4	0.
VA KTS	1558	TAM	395	TT2	966	HPEXT	0.

CRUISE MAX D/H MIN D/H NOT LIT

FNT	11916	9960	9067	8159	7224	6253	5310	2605
FGT	26536	24580	23687	22775	21844	20873	19930	17225
WAT	179	179	179	179	179	179	179	179
WFT	23486	17904	15669	13652	11769	9972	8366	4415
TSFC	1.971	1.798	1.728	1.673	1.629	1.595	1.576	1.695
BPR	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.73
WAT2	354	354	354	354	354	354	354	354
N1	5050	5050	5050	5050	5050	5050	5050	5115
N2	8032	8032	8032	8032	8032	8032	8032	8066
PT3D	15.7	15.7	15.7	15.7	15.7	15.7	15.7	16.0
PT4	41.0	41.0	41.0	41.0	41.0	41.0	41.0	42.6
TT3D	1124	1124	1124	1124	1124	1124	1124	1132
TT4	1481	1481	1481	1481	1481	1481	1481	1497
PT9	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.5
PTO	14.6	14.8	14.8	14.9	14.9	15.0	15.0	15.5
TT9	1930	1930	1930	1930	1930	1930	1930	1928
TTO	3560	3000	2750	2500	2250	2000	1767	1132
WAS/WAP	0.0351	0.0329	0.0319	0.0308	0.0297	0.0286	0.0275	0.0243
VENG	1942	1942	1942	1942	1942	1942	1942	1941
VDUCT	2618	2408	2305	2204	2094	1977	1862	1499
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.20
AJCDD	6.52	5.83	5.52	5.20	4.89	4.56	4.24	3.15

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DOWNGRADED AT 3 YEAR INTERVALS;
DECLASSIFIED AFTER 12 YEARS.
DOD DIR 5200.10

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ALT             0   WASIZE        640   PT2/PT2P  1.000   WBL3       3.00
MO             0.   PAM          14.7   PT2        14.7   WBL4         0.
VA KTS          0   TAM           519   TT2         519   HPEXT        0.

PART PWR

FNT         35931     34134     32137     30109     27146     23555     20542     17691
FGT         35931     34134     32197     30109     27146     23555     20542     17691
WAT           640       640       640       640       620       583       550       514
WFT         27218     24506     22157     19959     17450     14891     12969     11097
TSFC        0.758     0.718     0.689     0.661     0.643     0.632     0.626     0.627
BPR          1.29      1.36      1.40      1.47      1.55      1.64      1.69      1.71
WAT2          640       640       640       640       620       583       550       514

N1           5953      5882      5825      5764      5516      5161      4811      4438
N2           8033      7859      7796      7655      7568      7419      7257      7075
PT3D         41.4      38.4      36.0      33.1      31.4      30.1      28.4      26.5
PT4         181.2     175.1     166.6     158.2     145.8 [illegible]   117.1     104.3
TT3D  [illegible] [illegible] [illegible]   686       671 [illegible]     647       633
TT4   [illegible] [illegible] [illegible]  1089 [illegible]    1029 [illegible]     966

PT9   [illegible] [illegible] [illegible]  29.6      26.0      23.4      21.4      20.5
PTD          40.0      37.3      34.3      31.3      27.7      28.3      26.7      25.3
TT9          1959      1905      1831      1751      1677      1608      1541      1480
TTD           739       720 [illegible] [illegible]   677       660 [illegible]     634
WAS/WAP    0.0315    0.0304    0.0301    0.0296    0.0293 [illegible] [illegible] 0.0270
VENG         1970 [illegible] [illegible] [illegible] 1752    1561 [illegible]    1277
VDUCT        1215      1203      1185      1170      1153      1149      1105      1036
AJCDE        5.20      5.21      5.20      5.20      5.20      5.20      5.20      5.19
AJCOD        3.17      3.42      3.74      4.16      4.27      4.27      4.27      4.27

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ALT             0   [illegible]         [illegible]       1.000   WBL3       3.00
MO             0.   PAM          14.7   PT2        14.7   WBL4         0.
VA KTS          0   TAM           519   TT2         519   HPEXT        0.

PART PWR

FNT         15260     12762     10060      6990
FGT         15260     12762     10060      6990
WAT           482       444       397       332
WFT          9563      8125      6691      5180
TSFC        0.627     0.637     0.665     0.741
BPR          1.73      1.73      1.75      1.75
WAT2          482       444       397       332

N1           4411      4162      3802      3176
N2           6845      6669      6377      5965
PT3D         25.7      24.3      21.4      18.6
PT4   [illegible] [illegible]    75.1 [illegible]
TT3D          615       599       575 [illegible]
TT4   [illegible] [illegible] [illegible] [illegible]

PT9          17.4      16.5 [illegible]    15.6
PTD          23.6      22.5      20.4      18.6
TT9          1418      1361      1313      1256
TTD           622       609       594       579
WAS/WAP    0.0265    0.0261    0.0257    0.0251
VENG         1155 [illegible]     951       826
VDUCT         971       842       727       571
AJCDE        5.21      5.21      5.21      5.21
AJCOD        4.27      4.27      4.27      4.27

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ALT             0   WASIZE        640   PT2/PT2P  1.000   WBL3       3.00
MO           0.20   PAM          14.7   PT2        15.1   WBL4         0.
VA KTS        132   TAM           519   TT2         523   HPEXT        0.

PART PWR

FNT         32463     30604     28611     26677     23551     20218     17465     14852
FGT         36991     35133     33135     31006     27922     24339     21361     18508
WAT           653       653       653       653       630       594       561       527
WFT         26457     24186     22039     20344     17567     15065     13052     11277
TSFC        0.815     0.790     0.772     0.757     0.746     0.745     0.747     0.759
BPR          1.29      1.35      1.41      1.48      1.57      1.65      1.70      1.73
WAT2          637       637       637       637       615       580       548       514

N1           5942      5875      5809      5753      5488      5129      4890      4655
N2           8013      7909      7806      7705      7576      7427      7264      7082
PT3D         42.2      39.6      36.6      33.7      32.3      30.8      29.1      27.3
PT4         184.5     177.0     169.1     161.2     147.4     131.5     119.4     108.5
TT3D          742       723       705       687       674       664       651       639
TT4          1147      1129      1111      1092      1063      1028       997       971

PT9          33.5      31.9      30.4      28.9      26.7      23.7      22.0      20.7
PTD          40.9      38.9      34.7      31.7      30.4      29.0      27.4      25.7
TT9          1988      1909      1831      1753      1676      1607      1541      1476
TTD           742       723       705       687       676       664       651       639
WAS/WAP    0.0314    0.0307    0.0299    0.0292    0.0286    0.0279    0.0274    0.0269
VENG         1977      1931      1892      1853      1765      1579      1427      1289
VDUCT        1218      1203      1187      1172      1163      1153      1130      1064
AJCDE        5.20      5.21      5.20      5.20      5.21      5.20      5.20      5.21
AJCOD        3.19      3.44      3.77      4.17      4.27      4.27      4.27      4.27

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ALT             0   WASIZE        640   PT2/PT2P  1.000   WBL3       3.00
MO           0.20   PAM          14.7   PT2        15.1   WBL4         0.
VA KTS        132   TAM           519   TT2         523   HPEXT        0.

PART PWR

FNT         12619     10400      8030      5618      3167
FGT         16651     13981     10897      8106      5155
WAT           494       458       411       359       287
WFT          9732      8276      6867      5456      4081
TSFC        0.771     0.798     0.855     0.971     1.299
BPR          1.74      1.75      1.76      1.81      1.89
WAT2          483       448       406       350       280

N1           4437      4139      3865      3358      2676
N2           6902      6670      6411      6058      5559
PT3D         25.7      24.0      22.1      20.2      19.2
PT4          98.9      87.7      77.8      64.5      49.5
TT3D          626       613       593       584       567
TT4           944       914       879       830       768

PT9          19.6      18.7      17.8      16.9      16.0
PTD          24.2      22.6      21.2      19.3      17.6
TT9          1414      1355      1305      1268      1249
TTD           627       614       600       586       568
WAS/WAP    0.0264    0.0260    0.0256    0.0252    0.0245
VENG         1166      1045       917       784       605
VDUCT        1000       925       834       724       584
AJCDE        5.21      5.20      5.20      5.21      5.21
AJCOD        4.27      4.27      4.27      4.27      4.27

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ALT             0   WASIZE        640   PT2/PT2P  1.000   WBL3       3.00
MO           0.40   PAM          14.7   PT2        16.4   WBL4         0.
VA KTS        265   TAM           519   TT2         535   HPEXT        0.

PART PWR

FNT         30585     28549     26420     24190     20982     18104     15562     13188
FGT         40175     38139     36010     33769     30122     26795     23825     20998
WAT           691       691       691       691       659       626       595       563
WFT         27444     25015     22852     20729     17948     15603     13587     11807
TSFC        0.897     0.876     0.865     0.857     0.855     0.862     0.873     0.895
BPR          1.31      1.37      1.45      1.52      1.61      1.68      1.72      1.75
WAT2          629       629       629       625       597       570       542       512

N1           5910      5834      5764      5704      5384      5105      4895      4699
N2           8043      7943      7838      7732      7593      7447      7280      7102
PT3D         44.5      41.7      38.6      35.6      34.5      33.0      31.4      29.5
PT4         193.9     185.3     176.7     168.1     151.4     137.5     125.8     115.2
TT3D          751       732       714       697       687       677       665       654
TT4          1160      1141      1122      1103      1070      1040      1013       986

PT9          35.2      33.4      31.7      29.5      26.9      24.6      22.7      21.4
PTD          43.0      39.9      36.7      33.5      32.4      31.0      29.5      27.8
TT9          1988      1909      1831      1752      1677      1604      1535      1468
TTD           751       732       714       697       687       677       664       654
WAS/WAP    0.0310    0.0303    0.0296    0.0289    0.0282    0.0277    0.0271    0.0266
VENG         1970      1931      1892      1852      1801      1631      1483      1347
VDUCT        1225      1210      1195      1181      1172      1164      1153      1143
AJCDE        5.20      5.21      5.20      5.21      5.20      5.20      5.20      5.21
AJCOD        3.24      3.52      3.86      4.27      4.27      4.27      4.27      4.27

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ALT             0   WASIZE        640   PT2/PT2P  1.000   WBL3       3.00
MO           0.40   PAM          14.7   PT2        16.4   WBL4         0.
VA KTS        265   TAM           519   TT2         535   HPEXT        0.

PART PWR

FNT         11077      9046
FGT         18460     15968
WAT           532       499
WFT         10703      8749
TSFC        0.922     0.967
BPR          1.77      1.79
WAT2          494       454

N1           4495      4282
N2           6920      6725
PT3D         27.8      26.1
PT4         105.4      95.9
TT3D          641       623
TT4           959       932

PT9          20.3      19.3
PTD          26.2      24.6
TT9          1404      1343
TTD           641       629
WAS/WAP    0.0262    0.0257
VENG         1222      1102
VDUCT        1083      1016
AJCDE        5.20      5.20
AJCOD        4.27      4.27

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ALT	5000	WASIZE	640	PT2/PT2P	1.000	WBL3	3.00
MO	0.23	PAM	12.2	PT2	12.6	WBL4	0.
VA KTS	130	TAM	501	TT2	505	HPEXT	0.

PART PWR

FNT	28549	27036	25497	23743	21685	18781	16032	13754
FGT	32442	30957	29335	27525	25249	22366	19402	16928
WAT	563	563	563	561	551	526	494	469
WFT	23158	21253	19533	17919	15877	13702	11724	10116
TSFC	0.812	0.795	0.766	0.750	0.739	0.730	0.731	0.735
BPR	1.29	1.33	1.38	1.44	1.51	1.60	1.68	1.77
WAT2	650	650	650	650	638	606	570	537
N1	5945	5924	5872	5818	5622	5301	4955	4719
N2	7957	7858	7756	7655	7535	7400	7247	7076
PT30	36.5	34.3	31.9	29.3	27.5	26.6	25.2	23.7
PT4	159.9	151.9	147.9	141.6	132.0	118.8	106.0	96.1
TT30	727	709	691	673	660	649	637	625
TT4	1129	1110	1093	1076	1051	1019	985	957
PT9	29.0	27.8	26.6	25.3	23.6	21.1	19.2	17.9
PTD	35.3	33.0	30.9	27.7	25.8	25.0	23.7	22.3
TT9	1949	1910	1831	1754	1677	1602	1535	1469
TTD	727	709	691	673	660	650	637	625
WAS/WAP	0.0319	0.0312	0.0305	0.0297	0.0291	0.0284	0.0278	0.0272
VENG	1977	1932	1895	1853	1814	1678	1501	1355
VDUCT	1206	1192	1176	1161	1149	1140	1129	1090
AJCDE	5.21	5.21	5.21	5.20	5.20	5.21	5.20	5.20
AJCDD	3.13	3.36	3.65	4.03	4.27	4.27	4.27	4.27

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ALT	5000	WASIZE	640	PT2/PT2P	1.000	WBL3	3.00
MO	0.23	PAM	12.2	PT2	12.6	WBL4	0.
VA KTS	130	TAM	501	TT2	505	HPEXT	0.

PART PWR

FNT	11611	9739	7781	5736	3591	2605
FGT	14587	12514	10322	7385	5410	4260
WAT	436	407	373	339	279	241
WFT	8702	7458	6254	5068	3864	3326
TSFC	0.749	0.766	0.804	0.883	1.088	1.276
BPR	1.74	1.75	1.76	1.78	1.83	1.84
WAT2	502	464	435	380	314	280
N1	4496	4268	4004	3592	2951	2624
N2	6831	6706	6453	6149	5725	5460
PT30	22.2	20.9	19.3	17.7	15.5	15.1
PT4	87.2	79.1	70.2	57.8	47.1	41.1
TT30	612	600	584	572	558	544
TT4	921	901	869	829	771	741
PT9	16.9	16.0	15.2	14.4	13.6	13.1
PTD	20.7	19.6	18.2	16.8	15.3	14.6
TT9	1406	1365	1290	1244	1218	1209
TTD	612	600	587	573	558	547
WAS/WAP	0.0267	0.0261	0.0258	0.0254	0.0250	0.0249
VENG	1221	1039	970	811	673	595
VDUCT	1021	952	872	774	647	569
AJCDE	5.20	5.20	5.21	5.21	5.20	5.20
AJCDD	4.27	4.27	4.27	4.27	4.27	4.27

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ALT	5000	WASIZE	640	PT2/PT2P	1.000	WBL3	3.00
MO	0.45	PAM	12.2	PT2	13.	WBL4	0.
VA KTS	260	TAM	501	TT2	517	HPEXT	0.

PART PWR

FNT	27157	25521	23776	21873	19417	16733	14369	12207
FGT	35746	33660	31915	30512	27307	24240	21496	18953
WAT	597	597	597	597	578	550	523	495
WFT	24190	22167	20331	18494	16292	14050	12178	10543
TSFC	0.891	0.869	0.855	0.845	0.839	0.840	0.847	0.864
BPR	1.29	1.34	1.40	1.47	1.55	1.64	1.70	1.74
WAT2	641	641	641	641	622	591	561	532
N1	5957	5891	5832	5769	5527	5213	4953	4743
N2	7934	7890	7788	7686	7561	7419	7267	7090
PT30	38.6	36.2	33.6	30.8	29.4	28.4	27.1	25.6
PT4	169.7	162.1	155.4	149.2	136.3	122.5	111.5	101.4
TT30	737	719	701	682	670	661	650	638
TT4	1161	1123	1105	1087	1059	1027	998	970
PT9	30.6	29.1	27.9	26.8	24.3	21.7	19.9	18.5
PTD	37.3	34.9	32.1	29.	27.6	26.7	25.5	24.1
TT9	1989	1909	1831	1753	1677	1602	1530	1463
TTD	737	719	701	682	670	661	651	638
WAS/WAP	0.0315	0.0308	0.0301	0.0294	0.0287	0.0281	0.0275	0.0270
VENG	1970	1931	1892	1853	1813	1719	1553	1407
VDUCT	1214	1199	1184	1169	1159	1150	1141	1130
AJCDE	5.21	5.21	5.21	5.20	5.20	5.20	5.21	5.21
AJCDD	3.17	3.41	3.72	4.13	4.27	4.27	4.27	4.27

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ALT	5000	WASIZE	640	PT2/PT2P	1.000	WBL3	3.00
MO	0.45	PAM	12.2	PT2	13.7	WBL4	0.
VA KTS	260	TAM	501	TT2	517	HPEXT	0.

PART PWR

FNT	10269	8498	6765	5864
FGT	16637	14491	12318	11130
WAT	467	439	409	390
WFT	9119	7927	6632	6015
TSFC	0.889	0.921	0.980	1.025
BPR	1.76	1.78	1.80	1.81
WAT2	502	472	439	420
N1	4544	4333	4106	3754
N2	6904	6722	6519	6377
PT30	24.0	22.4	21.0	20.2
PT4	92.7	84.4	76.1	71.3
TT30	627	614	601	595
TT4	944	917	889	872
PT9	17.4	16.5	15.7	15.3
PTD	22.6	21.2	19.8	19.1
TT9	1397	1334	1275	1248
TTD	627	614	601	595
WAS/WAP	0.0265	0.0260	0.0255	0.0251
VENG	1276	1152	1037	965
VDUCT	1131	1038	965	925
AJCDE	5.20	5.20	5.19	5.20
AJCDD	4.27	4.27	4.27	4.27

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ALT	5000	WASIZE	640	PT2/PT2P	1.000	WBL3	3.00
MO	0.60	PAM	12.2	PT2	15.6	WBL4	0.
VA KTS	390	TAM	501	TT2	537	HPEXT	0.

PART PWR

FNT	26787	24962	22890	20795	17950	15535	13418	11416
FGT	40180	38253	36282	34145	30672	27701	25084	22539
WAT	655	655	655	653	622	595	570	544
WFT	25918	23594	21551	19498	16885	14751	12918	11279
TSFC	0.967	0.949	0.941	0.938	0.941	0.950	0.963	0.988
BPR	1.32	1.38	1.46	1.53	1.62	1.69	1.73	1.76
WAT2	628	628	628	626	596	570	547	521
N1	5906	5826	5755	5675	5382	5118	4942	4770
N2	8045	7939	7837	7730	7591	7447	7286	7116
PT30	42.3	39.4	36.4	33.7	32.6	31.4	30.2	28.7
PT4	183.3	174.9	166.7	158.1	142.4	130.3	120.1	110.7
TT30	752	733	714	698	688	679	670	660
TT4	1161	1142	1121	1103	1070	1042	1017	992
PT9	33.2	31.5	29.9	28.2	25.3	23.1	21.2	19.7
PTD	40.8	37.7	34.6	31.7	30.7	29.6	28.4	27.0
TT9	1987	1909	1831	1752	1678	1601	1526	1455
TTD	752	733	714	699	688	680	670	659
WAS/WAP	0.0309	0.0302	0.0295	0.0288	0.0282	0.0276	0.0271	0.0266
VENG	1969	1931	1893	1853	1814	1773	1643	1502
VDUCT	1226	1210	1195	1182	1173	1166	1157	1149
AJCDE	5.21	5.21	5.20	5.21	5.20	5.21	5.21	5.20
AJCDD	3.24	3.54	3.89	4.27	4.27	4.27	4.27	4.27

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ALT	5000	WASIZE	640	PT2/PT2P	1.000	WBL3	3.00
MO	0.60	PAM	12.2	PT2	15.6	WBL4	0.
VA KTS	390	TAM	501	TT2	537	HPEXT	0.

PART PWR

FNT	9584	7932
FGT	20162	17858
WAT	517	490
WFT	9796	8406
TSFC	1.021	1.071
BPR	1.79	1.82
WAT2	496	470
N1	4593	4433
N2	6936	6763
PT30	27.3	25.8
PT4	101.8	93.0
TT30	649	638
TT4	967	941
PT9	18.5	17.4
PTD	25.7	24.3
TT9	1387	1321
TTD	650	638
WAS/WAP	0.0261	0.0256
VENG	1368	1236
VDUCT	1140	1130
AJCDE	5.20	5.20
AJCDD	4.27	4.27

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ALT       15000   WASIZE      640   PT2/PT2P  1.000   WBL3       3.00
MO        0.60    PAM         8.3   PT2       10.8    WBL4       0.
VA KTS     376    TAM         465   TT2        459    HPEXT      0.

PART PWR

FNT       20749   19547   18240   16847   15136   13168   11228    9629
FGT       30257   29015   27708   26315   24424   22054   19669   17701
WAT         480     480     480     480     471     451     428     409
WFT       19710   18133   16619   15268   13668   11855   10193    8854
TSFC      0.948   0.929   0.911   0.906   0.903   0.900   0.908   0.920
BPR        1.29    1.33    1.38    1.43    1.50    1.58    1.67    1.73
WAT2        654     654     654     654     642     614     583     558

N1         5935    5936    5888    5839    5654    5347    5041    4838
N2         7941    7832    7730    7630    7517    7383    7237    7080
PT30       31.0    29.1    27.1    24.5    23.2    22.6    21.7    20.9
PT4       135.9   131.0   126.0   120.8   113.2   102.4    92.0    84.2
TT30        721     703     685     668     654     644     635     626
TT4        1120    1103    1086    1069    1046    1015     984     958

PT9        24.7    23.7    22.7    21.6    20.2    18.2    16.3    14.8
PTD        30.0    28.0    25.9    23.6    21.9    21.2    20.4    19.7
TT9        1931    1912    1833    1754    1679    1602    1527    1450
TTD         721     703     685     668     651     644     635     627
WAS/WAP  0.0320  0.0313  0.0306  0.0299  0.0292  0.0285  0.0279  0.0273
VENG       1971    1912    1893    1854    1814    1773    1733    1637
VDUCT      1200    1185    1171    1156    1143    1135    1128    1120
AJCDE      5.21    5.21    5.21    5.21    5.19    5.20    5.20    5.21
AJCDO      3.13    3.35    3.64    4.01    4.27    4.27    4.27    4.27

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ALT       15000   WASIZE      640   PT2/PT2P  1.000   WBL3       3.00
MO        0.60    PAM         8.3   PT2       10.8    WBL4       0.
VA KTS     376    TAM         465   TT2        459    HPEXT      0.

PART PWR

FNT        8137    6726    5517    4495
FGT       15919   14084   12409   11577
WAT         370     370     350     335
WFT        7670    6523    5651    5128
TSFC      0.943   0.975   1.024   1.062
BPR        1.77    1.79    1.82    1.86
WAT2        511     504     478     462

N1         4655    4481    4285    4189
N2         6908    6729    6536    6433
PT30       19.8    18.8    17.7    17.1
PT4        77.1    70.7    64.2    61.1
TT30        616     606     595     589
TT4         932     908     881     868

PT9        13.7    12.7    11.9    11.6
PTD        18.7    17.7    16.7    16.1
TT9        1379    1310    1244    1213
TTD         615     607     595     589
WAS/WAP  0.0267  0.0262  0.0257  0.0255
VENG       1491    1350    1216    1152
VDUCT      1110    1102    1091    1085
AJCDE      5.20    5.21    5.20    5.20
AJCDO      4.27    4.27    4.27    4.27

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ALT       15000   WASIZE      640   PT2/PT2P  1.000   WBL3       3.00
MO        0.80    PAM         8.3   PT2       12.6    WBL4       0.
VA KTS     501    TAM         465   TT2        525    HPEXT      0.

PART PWR

FNT       21558   20051   18485   16836   14652   12583   10868    9334
FGT       35855   34348   32783   311[illegible]   28363   25645   23363   21359
WAT         544     544     544     544     522     497     476     457
WFT       21806   19916   18236   16561   14428   12503   10928    9564
TSFC      1.012   0.993   0.987   0.984   0.985   0.994   1.006   1.025
BPR        1.30    1.36    1.43    1.50    1.58    1.67    1.72    1.77
WAT2        636     634     636     636     610     581     556     539

N1         5931    5861    5797    5736    5443    5151    4955    4805
N2         8005    7902    7801    7697    7563    7420    7266    7100
PT30       35.0    32.7    30.3    27.9    26.9    25.9    24.9    24.0
PT4       153.0   146.5   140.0   133.3   121.0   109.4   100.5    91.0
TT30        742     723     705     687     677     668     659     650
TT4        1148    1130    1112    1093    1062    1031    1005     982

PT9        27.7    26.4    25.1    23.8    21.5    19.4    17.7    16.3
PTD        33.8    31.4    28.9    26.2    25.3    24.4    23.4    22.6
TT9        1989    1911    1832    1754    1678    1603    1527    1450
TTD         742     723     705     688     677     668     659     649
WAS/WAP  0.0313  0.0306  0.0298  0.0291  0.0285  0.0279  0.0273  0.0267
VENG       1970    1932    1893    1853    1814    1774    1733    1690
VDUCT      1218    1202    1187    1173    1164    1156    1148    1140
AJCDE      5.21    5.21    5.21    5.21    5.20    5.20    5.20    5.21
AJCDO      3.21    3.48    3.81    4.22    4.27    4.27    4.27    4.27

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ALT       15000   WASIZE      640   PT2/PT2P  1.000   WBL3       3.00
MO        0.80    PAM         8.3   PT2       12.6    WBL4       0.
VA KTS     501    TAM         465   TT2        525    HPEXT      0.

PART PWR

FNT        7931    6603    5315    4097    2971    1959    1052     612
FGT       19462   17650   15817   14061   12327   10795    9251    8459
WAT         439     420     399     378     356     334     311     299
WFT        8352    7224    6172    5219    4351    3583    2878    2556
TSFC      1.053   1.094   1.161   1.274   1.465   1.829   2.737   4.045
BPR        1.79    1.83    1.87    1.90    1.94    1.98    2.06    2.11
WAT2        513     491     467     442     416     390     364     350

N1         4664    4512    4339    4162    3945    3682    3376    3204
N2         6932    6751    6557    6355    6170    6002    5791    5676
PT30       23.0    22.0    20.9    19.7    18.5    17.3    16.2    15.6
PT4        86.2    79.4    72.6    66.1    59.6    53.4    46.9    43.6
TT30        642     634     623     613     602     591     579     573
TT4         959     935     911     885     859     831     798     781

PT9        15.1    13.9    12.9    12.1    11.3    10.7    10.2     9.9
PTD        21.6    20.7    19.7    18.6    17.4    16.3    15.2    14.7
TT9        1375    1301    1232    1166    1103    1043     989     962
TTD         642     634     624     612     602     591     579     573
WAS/WAP  0.0262  0.0257  0.0252  0.0247  0.0243  0.0238  0.0233  0.0231
VENG       1615    1469    1330    1196    1067     944     823     761
VDUCT      1134    1126    1117    1107    1098    1088    1052    1019
AJCDE      5.20    5.21    5.20    5.20    5.20    5.21    5.20    5.21
AJCDO      4.27    4.27    4.27    4.27    4.27    4.27    4.27    4.27

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ALT       15000   WASIZE      640   PT2/PT2P  1.000   WBL3       3.00
MO        0.90    PAM         8.3   PT2       14.0    WBL4       0.
VA KTS     564    TAM         465   TT2        541    HPEXT      0.

PART PWR

FNT       20165   18660   16750   14471   12542   10872    9359    7940
FGT       3765[illegible]   35946   33853   30792   28170   25891   23791   21827
WAT         584     584     578     552     528     508     488     470
WFT       20866   19054   17111   14864   13016   11424   10030    8760
TSFC      1.025   1.021   1.022   1.027   1.038   1.051   1.072   1.103
BPR        1.40    1.48    1.56    1.64    1.70    1.75    1.78    1.81
WAT2        625     625     618     590     565     543     522     502

N1         5806    5737    5617    5318    5094    4934    4794    4660
N2         7939    7837    7725    7586    7440    7279    7114    6963
PT30       34.9    32.3    30.1    29.1    28.0    27.0    26.0    25.0
PT4       155.0   147.6   138.5   125.5   115.1   106.4    98.9    91.8
TT30        734     716     700     691     682     673     666     658
TT4        1144    1125    1103    1071    1044    1020     997     974

PT9        28.0    26.5    24.8    22.3    20.4    18.8    17.3    16.0
PTD        33.3    30.6    28.3    27.4    26.4    25.4    24.5    23.5
TT9        1911    1832    1755    1679    1603    1526    1450    1375
TTD         734     716     700     691     682     673     666     658
WAS/WAP  0.0301  0.0294  0.0287  0.0281  0.0275  0.0270  0.0265  0.0260
VENG       1932    1893    1854    1814    1774    1733    1690    1646
VDUCT      1211    1196    1183    1176    1168    1161    1155    1147
AJCDE      5.20    5.20    5.20    5.20    5.20    5.20    5.21    5.21
AJCDO      3.59    3.94    4.27    4.27    4.27    4.27    4.27    4.27

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ALT       15000   WASIZE      640   PT2/PT2P  1.000   WBL3       3.00
MO        0.90    PAM         8.3   PT2       14.0    WBL4       0.
VA KTS     564    TAM         465   TT2        541    HPEXT      0.

PART PWR

FNT        6591    5277    4055    2918    1914    1016
FGT       19930   18021   16166   14376   12721   11184
WAT         451     431     409     387     365     344
WFT        7574    6483    5485    4582    3778    3055
TSFC      1.149   1.229   1.353   1.570   1.974   3.006
BPR        1.85    1.89    1.93    1.96    2.00    2.06
WAT2        482     461     438     414     391     369

N1         4516    4363    4197    3994    3751    3482
N2         6760    6572    6377    6203    6045    5869
PT30       24.1    23.0    21.8    20.6    19.4    18.2
PT4        84.7    77.8    71.0    54.4    58.1    51.9
TT30        649     640     630     620     610     599
TT4         951     928     903     877     850     821

PT9        14.7    13.6    12.6    11.8    11.1    10.6
PTD        22.6    21.6    20.5    19.3    18.2    17.1
TT9        1299    1227    1159    1094    1032     973
TTD         650     640     630     619     610     599
WAS/WAP  0.0255  0.0250  0.0245  0.0240  0.0236  0.0231
VENG       1540    1397    1259    1128    1002     884
VDUCT      1140    1132    1123    1113    1105    1095
AJCDE      5.20    5.20    5.20    5.20    5.21    5.21
AJCDO      4.27    4.27    4.27    4.27    4.27    4.27

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ALT       36150    WASIZE       640   PT2/PT2P  1.000    WBL3        3.00
MO         0.62    PAM          3.3   PT2         4.2    WBL4        0.
VA KTS      366    TAM          390   TT2         418    HPEXT       0.

PART PWR

FNT        9204     8681     8123     7505     6869     6180     5309     4404
FGT       13123    12600    12041    11424    10743     9926     8880     7771
WAT         217      217      217      217      215      207      198      186
WFT        8170     7619     6934     6348     5751     5115     4384     3681
TSFC      0.888    0.878    0.854    0.846    0.837    0.828    0.826    0.836
BPR        1.31     1.35     1.39     1.43     1.47     1.49     1.58     1.68
WAT2        684      684      684      684      678      654      623      588

N1         5910     5857     5819     5786     5641     5338     5001     4665
N2         7522     7366     7245     7141     7032     6918     6784     6634
PT3D       13.1     12.3     11.4     10.4      9.6      9.3      8.9      8.6
PT4        58.1     56.1     54.1     51.9     49.6     46.4     41.7     36.8
TT3D        620      604      588      572      560      551      542      532
TT4         990      972      955      938      918      895      865      833

PT9        10.5     10.1      9.7      9.3      8.8      8.2      7.3      6.4
PTD        12.7     11.9     10.9      9.8      9.0      8.7      8.4      8.0
TT9        1831     1753     1674     1596     1519     1443     1367     1293
TTD         620      604      588      572      561      552      542      532
WAS/WAP  0.0331   0.0323   0.0316   0.0308   0.0301   0.0295   0.0287   0.0279
VENG       1892     1859     1817     1771     1729     1686     1642     1598
VDUCT      1114     1099     1085     1070     1059     1051     1042     1033
AJCDE      5.21     5.20     5.21     5.21     5.20     5.20     5.21     5.20
AJCDO      3.09     3.30     3.58     3.97     4.27     4.27     4.27     4.27

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ALT       36150    WASIZE       640   PT2/PT2P  1.000    WBL3        3.00
MO         0.62    PAM          3.3   PT2         4.2    WBL4        0.
VA KTS      366    TAM          390   TT2         418    HPEXT       0.

PART PWR

FNT        3662     2994     2386     1819
FGT        6850     6303     5211     4451
WAT         177      167      156      146
WFT        3125     2652     2244     1897
TSFC      0.854    0.886    0.940    1.040
BPR        1.75     1.79     1.83     1.87
WAT2        556      525      493      460

N1         4427     4211     4019     3822
N2         6474     6297     6096     5885
PT3D        8.1      7.7      7.2      6.6
PT4        33.1     29.8     26.9     23.9
TT3D        524      514      503      492
TT4         806      781      756      729

PT9         5.8      5.3      4.9      4.5
PTD         7.7      7.2      6.7      6.2
TT9        1219     1149     1083     1021
TTD         524      514      504      492
WAS/WAP  0.0273   0.0266   0.0260   0.0254
VENG       1484     1327     1182     1044
VDUCT      1024     1014     1004      993
AJCDE      5.20     5.20     5.21     5.20
AJCDO      4.27     4.27     4.27     4.27

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ALT       36150    WASIZE       640   PT2/PT2P  1.000    WBL3        3.00
MO         0.80    PAM          3.3   PT2         5.0    WBL4        0.
VA KTS      459    TAM          390   TT2         440    HPEXT       0.

PART PWR

FNT       10618    10019     9399     8715     8006     7285     6379     5370
FGT       16719    16120    15501    14817    14070    13176    12024    10722
WAT         253      253      253      253      252      245      234      222
WFT       10157     9437     8781     8005     7311     6578     5739     4864
TSFC      0.957    0.942    0.934    0.918    0.913    0.903    0.900    0.906
BPR        1.31     1.34     1.38     1.43     1.46     1.48     1.55     1.65
WAT2        686      686      686      686      681      662      634      601

N1         6079     6029     5989     5957     5860     5572     5243     4913
N2         7736     7576     7454     7352     7246     7136     7020     6864
PT3D       15.7     14.7     13.7     12.6     11.6     11.2     10.8     10.5
PT4        69.7     67.4     65.1     62.7     60.1     56.8     51.9     46.1
TT3D        652      636      621      605      592      583      574      564
TT4        1042     1024     1006      990      971      948      920      888

PT9        12.7     12.2     11.8     11.3     10.7     10.1      9.2      8.1
PTD        15.2     14.2     13.2     11.5     10.9     10.6     10.2      9.8
TT9        1934     1856     1777     1699     1621     1544     1468     1393
TTD         652      636      621      605      592      584      575      564
WAS/WAP  0.0331   0.0324   0.0317   0.0310   0.0303   0.0297   0.0290   0.0282
VENG       1943     1905     1865     1825     1784     1742     1700     1657
VDUCT      1142     1128     1115     1100     1089     1081     1073     1063
AJCDE      5.21     5.20     5.21     5.21     5.21     5.21     5.21     5.21
AJCDO      3.09     3.31     3.56     3.92     4.27     4.27     4.27     4.27

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ALT       36150    WASIZE       640   PT2/PT2P  1.000    WBL3        3.00
MO         0.80    PAM          3.3   PT2         5.0    WBL4        0.
VA KTS      459    TAM          390   TT2         440    HPEXT       0.

PART PWR

FNT        4490     3769     3121     2501     1916     1366     1113
FGT        9551     8600     7730     6882     6035     5224     4833
WAT         210      201      191      182      171      160      155
WFT        4137     3550     3045     2580     2161     1806     1648
TSFC      0.922    0.942    0.976    1.031    1.129    1.322    1.480
BPR        1.72     1.78     1.81     1.86     1.90     1.94     1.96
WAT2        569      543      518      492      462      433      418

N1         4627     4451     4303     4135     3950     3747     3424
N2         6712     6542     6367     6177     5971     5756     5658
PT3D       10.0      9.5      9.1      8.6      8.1      7.5      7.3
PT4        41.3     37.6     34.4     31.3     28.1     25.1     23.6
TT3D        555      547      539      530      520      509      504
TT4         859      835      812      788      763      737      724

PT9         7.2      6.8      6.0      5.4      5.0      4.6      4.5
PTD         9.4      9.0      8.6      8.1      7.6      7.1      6.9
TT9        1319     1243     1169     1097     1030      967      936
TTD         556      547      540      530      520      509      504
WAS/WAP  0.0276   0.0269   0.0263   0.0257   0.0252   0.0246   0.0243
VENG       1614     1568     1489     1336     1190     1049      981
VDUCT      1055     1047     1039     1030     1021     1009     1005
AJCDE      5.20     5.20     5.21     5.21     5.20     5.20     5.20
AJCDO      4.27     4.27     4.27     4.27     4.27     4.27     4.27

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ALT       36150    WASIZE       640   PT2/PT2P  1.000    WBL3        3.00
MO         0.90    PAM          3.3   PT2         5.6    WBL4        0.
VA KTS      516    TAM          390   TT2         453    HPEXT       0.

PART PWR

FNT       11659    11008    10344     9618     8845     8094     7170     6092
FGT       19156    18505    17847    17115    16320    15376    14178    12748
WAT         277      277      277      277      276      269      259      246
WFT       11552    10728     9961     9153     8384     7584     6686     5704
TSFC      0.991    0.975    0.963    0.952    0.948    0.937    0.932    0.936
BPR        1.30     1.34     1.37     1.42     1.46     1.47     1.52     1.62
WAT2        685      685      685      685      683      665      640      608

N1         6158     6108     6068     6035     5969     5698     5387     5051
N2         7863     7700     7577     7473     7370     7262     7143     7000
PT3D       17.5     16.4     15.4     14.2     12.9     12.6     12.1     11.7
PT4        77.5     75.0     72.5     69.9     67.2     63.7     58.8     52.5
TT3D        673      657      641      625      610      603      594      583
TT4        1072     1053     1036     1015     1002      979      953      921

PT9        14.2     13.7     13.1     12.6     12.0     11.3     10.4      9.3
PTD        16.9     15.8     14.7     13.5     12.2     11.8     11.4     11.0
TT9        1995     1917     1838     1759     1681     1604     1527     1452
TTD         673      657      641      625      611      603      594      584
WAS/WAP  0.0332   0.0325   0.0318   0.0311   0.0304   0.0298   0.0292   0.0284
VENG       1973     1935     1896     1856     1816     1775     1733     1691
VDUCT      1160     1146     1133     1119     1105     1099     1091     1081
AJCDE      5.21     5.20     5.21     5.21     5.20     5.21     5.21     5.21
AJCDO      3.08     3.29     3.55     3.87     4.27     4.27     4.27     4.27

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ALT       36150    WASIZE       640   PT2/PT2P  1.000    WBL3        3.00
MO         0.90    PAM          3.3   PT2         5.6    WBL4        0.
VA KTS      516    TAM          390   TT2         453    HPEXT       0.

PART PWR

FNT        5111     4318     3622     2971     2359     1768     1234      758
FGT       11408    10328     9366     8456     7587     6708     5874     5097
WAT         233      222      212      203      193      182      171      160
WFT        4857     4179     3600     3080     2600     2173     1810     1503
TSFC      0.950    0.968    0.994    1.037    1.102    1.229    1.466    1.983
BPR        1.71     1.77     1.80     1.84     1.89     1.94     1.98     2.02
WAT2        575      549      525      501      478      451      424      396

N1         4749     4560     4407     4262     4105     3934     3735     3487
N2         6850     6685     6513     6330     6137     5931     5735     5567
PT3D       11.2     10.7     10.3      9.8      9.3      8.8      8.2      7.7
PT4        46.9     42.7     39.2     35.9     32.7     29.5     26.4     23.4
TT3D        574      566      558      550      542      532      522      512
TT4         891      866      843      820      796      772      747      720

PT9         8.2      7.5      6.8      6.2      5.6      5.2      4.8      4.5
PTD        10.5     10.1      9.6      9.2      8.8      8.3      7.7      7.2
TT9        1378     1302     1227     1152     1079     1011      946      885
TTD         575      566      558      550      542      532      522      513
WAS/WAP  0.0277   0.0271   0.0265   0.0259   0.0253   0.0248   0.0242   0.0237
VENG       1648     1604     1558     1511     1367     1217     1079      742
VDUCT      1073     1064     1057     1049     1041     1032     1023     1015
AJCDE      5.20     5.21     5.21     5.20     5.20     5.20     5.20     5.20
AJCDO      4.27     4.27     4.27     4.27     4.27     4.27     4.27     4.27

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ALT        36150    WASIZE      640    PT2/PT2P  1.000    WPL1       1.00
MO          1.40    PAM         3.3    PT2         5.6    WBL4       0.
VA FTS       516    TAM         393    TT2         451    HPEXT       0.

PART PWR

FNT          364
FGT         4392
WAT          149
WFT         1236
TSFC       3.394
NPR         2.73
WAT2         177

N1          3204
N2          5395
PT30         7.1
PT4         20.5
TT30         532
TT4          622

PT9          4.2
PTD          6.7
TT9          927
TTD          532
WAS/WAP  0.0231
VENG         815
VDUCT       1C03
AJCDE       5.71
AJEDD       4.27
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PERFORMANCE WITH HIGH PRESSURE COMPRESSOR AIRBLEED AND NO POWER EXTRACTION

Pages	TAMB	Power Setting	Flow Schedule
B-D74	STD. Day	Take-Off	Base
B-D75 to B-D82	STD. Day	Max Thrust	Base
B-D83 to B-D84	STD. Day	Max Thrust	High
B-D85 to B-D86	STD. Day	Max Thrust	Low
B-D87 to B-D88	STD. Day	Cruise	Base
B-D89 to B-D90	STD. Day	Cruise	High
B-D91 to B-D92	STD. Day	Cruise	Low
B-D93 to B-D96	STD. Day	Part Power	Base

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ALT              0   WASIZE       640   PT2/PT2P   1.000   WBL3          0.
MO              0.   PAM         14.7   PT2         14.7   WBL4        3.00
VA KTS           0   TAM          519   TT2          519   HPEXT         0.

TAKE OFF MAX D/H                                         MIN D/H NOT LIT

FNT         55254    52038    50525    48350    47303    45567    40936    35558
FGT         55254    52038    50529    48350    47303    45567    40936    35558
WAT           640      640      640      640      640      640      640      640
WFT        101773    82319    74457    67321    60425    54067    40183    27465
TSFC        1.842    1.582    1.474    1.371    1.277    1.197    0.982    0.759
BPR          1.31     1.31     1.31     1.31     1.31     1.31     1.31     1.29
WAT2          640      640      640      640      640      640      640      640

N1           5833     5833     5833     5833     5833     5833     5833     5460
N2           7480     7480     7480     7480     7480     7580     7480     7539
PT30         39.1     39.1     39.1     39.1     39.1     39.1     39.1     45.9
PT4         172.1    172.1    172.1    172.1    172.1    172.1    172.1    174.0
TT30          722      722      722      722      722      722      722      735
TT4          1123     1123     1123     1123     1123     1123     1123     1158

PT9          31.3     31.3     31.3     31.3     31.3     31.3     31.3     32.5
PTD          34.7     35.4     35.7     35.9     36.2     36.5     37.0     39.5
TT9          1988     1988     1988     1988     1988     1988     1988     1588
TTD          3560     3000     2750     2500     2250     2000     1404      735
WAS/WAP    0.0471   0.0444   0.0437   0.0419   0.0406   0.0392   0.0359   0.0314
VENG         1970     1970     1970     1970     1970     1970     1970     1969
VDUCT        2617     2407     2307     2203     2093     1976     1664     1212
AJCDE        5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDD        9.12     9.07     7.60     7.14     6.67     6.20     5.01     3.24

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ALT              0   WASIZE       640   PT2/PT2P   1.000   WBL3          0.
MO            0.20   PAM         14.7   PT2         15.1   WBL4        3.00
VA KTS         132   TAM          519   TT2          523   HPEXT         0.

TAKE OFF MAX D/H                                         MIN D/H NOT LIT

FNT         52333    49715    47454    45410    44160    42366    37545    32258
FGT         56862    55266    53491    50354    48668    46872    42124    37617
WAT           653      653      653      653      653      653      653      653
WFT         93366    83526    72619    65444    58894    52671    39136    26221
TSFC        1.784 [illegible] 1.530    1.478    1.334    1.244    1.061    0.817
BPR          1.31     1.31     1.31     1.31     1.31     1.31     1.31     1.29
WAT2          637      637      637      637      637      637      637      637

N1           5874     5873     5875     5879     5875     5874     5879     5429
N2           7389     7389     7389     7389     7389     7389     7359     6909
PT30         35.8     35.8     35.8     35.8     35.8     35.8     35.8     41.7
PT4         175.0    175.0    175.0    175.0    175.0    175.0    175.0    192.3
TT30          725      725      725      725      725      725      725      738
TT4          1127     1127     1127     1127     1127     1127     1127     1142

PT9          31.8     31.8     31.8     31.8     31.8     31.8     31.8     34.0
PTD          35.2     35.7     36.2     36.5     36.8     37.0     37.5     40.2
TT9          1989     1989     1985     1989     1985     1981     1989     1589
TTD          3560     3000     2750     2500     2250     2000     1407      738
WAS/WAP    0.0459 [illegible] 0.0430   0.0418   0.0404   0.0391   0.0356   0.0311
VENG         1970     1970     1970     1970     1970     1970     1970     1969
VDUCT        2617     2407     2307     2203     2093     1976     1666     1215
AJCDE        5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDD        9.14     9.12     7.65     7.18     6.71     6.24     5.06     3.25

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ALT              0   WASIZE       640   PT2/PT2P   1.000   WBL3          0.
MO            0.40   PAM         14.7   PT2         16.4   WBL4        3.00
VA KTS         265   TAM          519   TT2          535   HPEXT         0.

TAKE OFF MAX D/H                                         MIN D/H NOT LIT

FNT         52315    48162    46965    45161    43306    41336    36210    30204
FGT         61406    59752    56535    54751    52496    50926    45800    39794
WAT           691      691      691      691      691      691      691      691
WFT        114515    96362    76202    68599    61646    55043    40873    27190
TSFC   [illegible]   1.736    1.623    1.519    1.424    1.332    1.129    0.900
BPR          1.34     1.34     1.34     1.34     1.34     1.34     1.34     1.31
WAT2          629      629      629      629      625      629      629      629

N1           5961     5961     5961     5961     5961     5961     5961     5996
N2           8018     8019     8018     8018     8019     8018     8018     8040
PT30         41.9     41.9     41.9     41.5     41.9     41.9     41.9     44.1
PT4         183.6    183.6    183.6    183.6    183.6    183.6    183.6    191.6
TT30          734      734      734      734      734      734      734      747
TT4          1139     1133     1133     1139     1135     1139     1139     1155

PT9          33.4     33.4     33.4     33.4     33.4     33.4     33.4     34.7
PTD          37.1     37.9     38.1     38.4     38.7     39.0     39.5     42.5
TT9          1985     1987     1985     1989     1985     1989     1987     1487
TTD          3560     3000     2750     2500     2250     2000     1415      767
WAS/WAP    0.0455   0.0434   0.0425   0.0413   0.0400   0.0386   0.0352   0.0310
VENG         1970     1970     1970     1970     1970     1970     1970     1969
VDUCT        2617     2407     2308     2203     2093     1976     1670     1222
AJCDE        5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.21
AJCDD        9.31     8.21     7.75     7.24     6.80     6.32     5.14     3.30

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ALT           6000   WASIZE       640   PT2/PT2P   1.000   WBL3          0.
MO              0.   PAM         11.8   PT2         11.9   WBL4        3.00
VA KTS           0   TAM          497   TT2          497   HPEXT         0.

TAKE OFF MAX D/H                                         MIN D/H NOT LIT

FNT         47366    44590    43295    41348    40565    37058    36977    30289
FGT         47366    44592    43255    41348    40565    39058    36977    30269
WAT           536      536      535      536      536      536      536      535
WFT         83171    67370    61000    55075    49648    44477    32941    22246
TSFC        1.757    1.511    1.409    1.317    1.229    1.137    0.942    0.734
BPR          1.29     1.29     1.29     1.29     1.29     1.29     1.29     1.28
WAT2          655      655      655      655      655      655      655      655

N1           5944     5944     5944     5944     5944     5944     5944     5587
N2           7923     7923     7923     7923     7923     7923     7923     7147
PT30         32.6     32.6     32.6     32.6     32.6     32.6     32.6     34.2
PT4         144.4    144.4    144.4    144.4    144.4    144.4    144.4    150.0
TT30          703      703      703      703      703      703      703      716
TT4          1099     1099     1099     1099     1099     1099     1099     1113

PT9          26.3     26.3     26.3     26.3     26.3     26.3     26.3     27.2
PTD          29.0     29.5     29.8     30.0     30.2     30.5     30.9     33.0
TT9          1990     1990     1990     1990     1990     1990     1990     1990
TTD          3560     3000     2750     2500     2250     2000     1395      716
WAS/WAP    0.0481   0.0455   0.0441   0.0429   0.0415   0.0401   0.0364   0.0320
VENG         1971     1971     1971     1971     1971     1971     1971     1970
VDUCT        2617     2407     2307     2203     2093     1976     1656     1194
AJCDE        5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.21
AJCDD        9.12     8.06     7.60     7.13     6.66     6.19     4.98     3.19

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ALT           6000   WASIZE       640   PT2/PT2P   1.000   WBL3          0.
MO            0.20   PAM         11.8   PT2         12.1   WBL4        3.00
VA KTS         130   TAM          497   TT2          501   HPEXT         0.

TAKE OFF MAX D/H                                         MIN D/H NOT LIT

FNT         45053    42237    40870    39480    38033    36499    32317    27483
FGT         48754    45722    44565    43155    41748    40216    36032    31198
WAT           547      547      547      547      547      547      547      547
WFT         83441    67570    61169    55212    49760    44585    33025    22269
TSFC        1.852    1.601    1.497    1.399    1.308    1.222    1.022    0.810
BPR          1.30     1.30     1.30     1.30     1.30     1.30     1.30     1.28
WAT2          652      652      652      652      652      652      652      652

N1           5932     5932     5932     5932     5932     5932     5932     5377
N2           7932     7932     7932     7932     7932     7932     7932     7553
PT30         33.3     33.3     33.3     33.3     33.3     33.3     33.3     34.9
PT4         147.2    147.2    147.2    147.2    147.2    147.2    147.2    152.9
TT30          706      705      705      706      706      706      706      719
TT4          1103     1103     1103     1103     1103     1103     1103     1118

PT9          26.8     26.8     26.8     26.8     26.8     26.8     26.8     27.8
PTD          29.5     30.1     30.4     30.6     30.8     31.0     31.5     33.7
TT9          1990     1990     1990     1990     1990     1990     1990     1990
TTD          3560     3000     2750     2500     2250     2000     1389      719
WAS/WAP    0.0479   0.0452   0.0439   0.0426   0.0413   0.0399   0.0363   0.0319
VENG         1971     1971     1971     1971     1971     1971     1971     1970
VDUCT        2617     2407     2307     2203     2093     1976     1656     1199
AJCDE        5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.21
AJCDD        9.16     8.08     7.61     7.14     6.67     6.20     5.00     3.20

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ALT           6000   WASIZE       640   PT2/PT2P   1.000   WBL3          0.
MO            0.40   PAM         11.8   PT2         13.2   WBL4        3.00
VA KTS         259   TAM          497   TT2          513   HPEXT         0.

TAKE OFF MAX D/H                                         MIN D/H NOT LIT

FNT         45730    42105    40639    39117    37534    35856    31369    26113
FGT         53101    49975    48510    46588    45405    43729    39240    33783
WAT           579      579      579      579      579      579      579      579
WFT         87491    73111    64332    59018    52269    46768    34725    23302
TSFC        1.941    1.687    1.583    1.493    1.392    1.304    1.106    0.892
BPR          1.31     1.30     1.30     1.30     1.30     1.30     1.30     1.27
WAT2          644      644      644      644      644      644      644      644

N1           5900     5900     5900     5900     5900     5900     5900     5948
N2           7961     7961     7961     7961     7961     7961     7961     7479
PT30         35.2     35.2     35.2     35.2     35.2     35.2     35.2     36.9
PT4         155.5    155.5    155.5    155.5    155.5    155.5    155.5    161.7
TT30          716      716      716      716      716      716      716      729
TT4          1116     1116     1116     1116     1116     1116     1116     1131

PT9          28.3     28.3     28.3     28.3     28.3     28.3     28.3     29.4
PTD          31.2     31.8     32.0     32.3     32.5     32.8     33.2     35.6
TT9          1990     1990     1990     1990     1990     1990     1990     1989
TTD          3560     3000     2750     2500     2250     2000     1395      729
WAS/WAP    0.0476   0.0447   0.0434   0.0421   0.0408   0.0394   0.0359   0.0316
VENG         1970     1970     1970     1970     1970     1970     1970     1970
VDUCT        2617     2407     2307     2203     2093     1975     1661     1208
AJCDE        5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.21
AJCDD        9.19     8.12     7.65     7.18     6.71     6.24     5.04     3.24

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ALT          0   WASIZE       640   PT2/PT2P  1.000   WAL3         0.
MN          0.   PAM         14.7   PT2        14.7   WAL4       3.00
VA KTS       0   TAM          519   TT2         519   HPEXT        0.

MAXTHR    MAX D/H                                        MIN D/H NOT LIT

FNT       55254    52138    50525    44350    47309    45567    40936    35554
FGT       55254    52138    50525    44350    47309    45567    40936    35554
WAT         640      640      640      640      640      640      640      640
WFT      101773    82118    76452    57121    60425    56067    46183    26965
TSFC      1.842    1.552    1.474    1.371    1.277    1.2?7    0.982    0.758
RPR        1.31     1.31     1.31     1.31     1.31       31     1.31     1.29
WAT2        640      640      640      640      640      640      640      640

N1         5493     5493     5493     5493     5493     5393     5393     5940
N2         7982     7980     7980     7982     7980     7980     7990     7599
PT30       39.1     39.1     39.1     39.1     39.1     39.1     39.1     40.9
PT4       172.1    172.1    172.1    172.1    172.1    172.1    172.1    179.0
TT30        722      722      722      722      722      722      722      735
TT4        1123     1123     1123     1123     1123     1123     1123     1138

PT9        31.3     31.3     31.3     31.3     31.3     31.3     31.3     32.5
PTD        35.2     35.4     35.7     35.9     36.2     36.5     37.0     35.5
TT9        1994     1989     1994     1999     1978     1998     1968     1588
TTD        3560     3000     2750     2500     2250     2000     1424      735
WAS/WAP  0.0471   0.0444   0.0[illegible]   0.0417   0.0434   0.0392   0.0358   0.0314
VENG       1972     1970     1970     1970     1970     1970     1970     1969
VDUCT      2617     2407     2307     2203     2093     1976     1664     1212
AJCDE      5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDD      9.12     8.07     7.60     7.14     6.67     6.20     5.03     3.24

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ALT          0   WASIZE       640   PT2/PT2P  1.000   WAL3         0.
MN        0.20   PAM         14.7   PT2        15.1   WAL4       3.00
VA KTS     132   TAM          519   TT2         523   HPEXT        0.

MAXTHR    MAX D/H                                        MIN D/H NOT LIT

FNT       52333    49015    47454    45450    44167    42344    [illegible]    32088
FGT       55762    53544    51958    50355    48594    46472    42124    36617
WAT         653      653      653      653      653      653      653      653
WFT       94348    83316    72619    55444    58896    52671    39136    26221
TSFC      1.804    1.659    1.537    1.429    1.334    1.244    1.041    0.817
RPR        1.31     1.31     1.31     1.31     1.31     1.31     1.31     1.29
WAT2        637      637      637      637      637      637      637      637

N1         5879     5873     5875     5875     5875     5879     5779     5929
N2         7489     7989     7488     7585     7985     7389     7569     8028
PT30       39.8     39.4     39.8     39.8     39.8     39.8     39.4     41.7
PT4       175.0    175.0    175.0    175.0    175.0    175.0    175.0    182.3
TT30        725      725      725      725      725      725      725      738
TT4        1127     1127     1127     1127     1127     1127     1127     1142

PT9        31.8     31.8     31.8     31.8     31.8     31.8     31.8     33.0
PTD        35.2     35.7     36.2     36.5     36.8     37.3     37.5     40.2
TT9        1989     1989     1986     1989     1985     1989     1989     1988
TTD        3560     3000     2750     2500     2250     2000     1407      718
WAS/WAP  0.0459   0.0443   0.0430   0.0418   0.0404   0.0391   0.0355   0.0313
VENG       1970     1970     1970     1970     1970     1970     1970     1969
VDUCT      2617     2407     2307     2204     2093     1976     1664     1215
AJCDE      5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDD      9.18     8.12     7.65     7.18     6.71     6.24     5.06     3.25

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ALT          0   WASIZE       640   PT2/PT2P  1.000   WAL3         0.
MN        0.40   PAM         14.7   PT2        17.4   WAL4       3.00
VA KTS     265   TAM          519   TT2         535   HPEXT        0.

MAXTHR    MAX D/H                                        MIN D/H NOT LIT

FNT       [illegible]    [illegible]    [illegible]    45141    43176    41336    38712    33204
FGT       [illegible]    58292    56535    54161    52498    50926    45500    35794
WAT         691      691      691      691      691      691      691      691
WFT       [illegible]    [illegible]    [illegible]    [illegible]    [illegible]    [illegible]    [illegible]    27156
TSFC      [illegible]    [illegible]    [illegible]    [illegible]    [illegible]    [illegible]    [illegible]    0.806
RPR       [illegible]    [illegible]    [illegible]    [illegible]    [illegible]    [illegible]    [illegible]     1.31
WAT2      [illegible]    [illegible]    [illegible]    [illegible]    [illegible]    [illegible]    [illegible]    [illegible]

N1         5941     5941     5941     5941     5941     5941     5941     5896
N2         8018     8018     8018     8018     8018     8018     8018     8040
PT30       41.9     41.9     41.9     41.9     41.9     41.9     41.9     44.1
PT4       183.6    183.6    183.6    183.6    183.6    183.6    183.6    191.8
TT30        734      734      734      734      734      734      734      747
TT4        1139     1139     1139     1139     1139     1139     1139     1155

PT9        33.4     33.4     33.4     33.4     33.4     33.4     33.4     34.7
PTD        37.1     37.5     38.1     38.4     38.7     39.0     39.5     42.5
TT9        1989     1989     1985     1989     1985     1989     1989     1987
TTD        3560     3000     2750     2500     2250     2000     1415      747
WAS/WAP  0.0465   0.0438   0.0425   0.0413   0.0403   0.0386   0.0352   0.0310
VENG       1970     1970     1970     1970     1970     1970     1970     1969
VDUCT      2617     2407     2308     2203     2093     1976     1679     1222
AJCDE      5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.21
AJCDD      9.31     8.29     7.75     7.29     6.80     6.32     5.14     3.30

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ALT          0   WASIZE       640   PT2/PT2P  1.000   WAL3         0.
MN        0.60   PAM         14.7   PT2        [illegible]   WAL4       3.00
VA KTS     397   TAM          519   TT2         556   HPEXT        0.

MAXTHR    MAX D/H                                        MIN D/H NOT LIT

FNT       [illegible]    [illegible]    [illegible]    [illegible]    [illegible]    [illegible]    [illegible]    [illegible]
FGT       70562    [illegible]    [illegible]    [illegible]    [illegible]    [illegible]    [illegible]    [illegible]
WAT         751      751      751      751      751      751      751      751
WFT      118565    [illegible]    [illegible]    [illegible]    [illegible]    [illegible]    [illegible]    [illegible]
TSFC      [illegible]    [illegible]    [illegible]    [illegible]    [illegible]    [illegible]    [illegible]    [illegible]
RPR       [illegible]    [illegible]    [illegible]    [illegible]    [illegible]    [illegible]    [illegible]    [illegible]
WAT2      [illegible]    [illegible]    [illegible]    [illegible]    [illegible]    [illegible]    [illegible]    [illegible]

N1         5763     5763     5763     5763     5763     5763     5761     5841
N2         8063     8063     8063     8063     8063     8063     8063     8084
PT30       45.7     45.7     45.7     45.7     45.7     45.7     45.7     48.0
PT4       197.0    197.0    197.0    197.0    197.0    197.0    197.0    205.1
TT30        749      749      749      749      749      749      749      [illegible]
TT4        1157     1157     1157     1157     1157     1157     1157     1176

PT9        35.7     35.7     35.7     35.7     35.7     35.7     35.7     37.[illegible]
PTD        40.7     41.0     41.3     41.7     42.0     42.3     42.[illegible]     44.[illegible]
TT9        1988     1988     1988     1988     1988     1988     1988     1988
TTD        3560     3000     2750     2500     2250     2000     1427      762
WAS/WAP  0.0457   0.0431   0.0418   0.0404   0.0391   0.0379   0.0345   0.0324
VENG       1970     1970     1970     1970     1970     1970     1970     1969
VDUCT      2617     2407     2309     2203     2093     1976     1674     1234
AJCDE      5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.20
AJCDD      9.56     8.45     7.96     7.47     6.97     6.44     5.[illegible]     3.42

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ALT          0   WASIZE       640   PT2/PT2P  1.000   WAL3         0.
MN        0.70   PAM         14.7   PT2        20.4   WAL4       3.00
VA KTS     461   TAM          519   TT2         569   HPEXT        0.

MAXTHR    MAX D/H                                        MIN D/H NOT LIT

FNT       57149    52469    50276    48102    45641    43134    35505    29267
FGT       74617    71935    69766    67470    65105    62607    56372    48735
WAT         802      802      802      802      802      802      802      802
WFT      121936    97512    87731    78665    70381    62522    46254    29919
TSFC      2.124    1.857    1.745    1.638    1.542    1.449    1.253    1.022
RPR        1.43     1.43     1.43     1.43     1.43     1.43     1.43     1.40
WAT2        606      606      606      606      606      606      606      606

N1         5723     5723     5723     5723     5723     5723     5723     5779
N2         8090     8090     8090     8090     8090     8090     8090     8115
PT30       48.3     48.3     48.3     48.3     48.3     48.3     48.3     50.6
PT4       205.4    205.4    205.4    205.4    205.4    205.4    205.4    214.6
TT30        758      758      758      758      758      758      756      771
TT4        1168     1168     1168     1168     1168     1168     1168     1185

PT9        37.2     37.2     37.2     37.2     37.2     37.2     37.2     38.9
PTD        42.3     43.2     43.6     43.9     44.3     44.6     45.3     48.6
TT9        1988     1988     1988     1988     1988     1988     1988     1988
TTD        3560     3000     2750     2500     2250     2000     1437      771
WAS/WAP  0.0452   0.0426   0.0414   0.0401   0.0388   0.0374   0.0342   0.0300
VENG       1970     1970     1970     1970     1970     1970     1970     1969
VDUCT      2617     2407     2307     2203     2093     1976     1683     1241
AJCDE      5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.20
AJCDD      9.71     8.78     8.04     7.58     7.08     6.57     5.39     3.50

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ALT      15000   WASIZE       640   PT2/PT2P  1.000   WAL3         0.
MN        0.25   PAM          8.3   PT2         8.5   WAL4       3.00
VA KTS     125   TAM          465   TT2         469   HPEXT        0.

MAXTHR    MAX D/H                                        MIN D/H NOT LIT

FNT       35071    32557    31822    30748    29519    28436    25039    21187
FGT       37776    35563    34525    33448    32322    31137    27742    21890
WAT         411      411      411      411      411      411      411      411
WFT       63265    51313    46516    42270    37944    34089    25036    17009
TSFC      1.804    1.567    1.462    1.369    1.282    1.199    1.001    0.803
RPR        1.27     1.27     1.27     1.29     1.29     1.29     1.27     1.28
WAT2        674      674      674      674      674      674      674      674

N1         6024     6024     6024     6024     6024     6024     6024     [illegible]
N2         7860     7860     7860     7860     7860     7860     7860     7900
PT30       24.9     24.9     24.9     24.9     24.9     24.9     24.9     25.1
PT4       110.3    110.3    110.3    110.3    110.3    110.3    110.3    114.5
TT30        676      676      676      676      676      676      676      689
TT4        1065     1065     1065     1065     1065     1065     1065     1080

PT9        20.2     20.2     20.2     20.2     20.2     20.2     20.2     20.9
PTD        22.1     22.5     22.7     22.9     23.2     23.5     23.6     25.2
TT9        1992     1992     1992     1992     1992     1992     1992     1992
TTD        3560     3000     2750     2500     2250     2000     1362      685
WAS/WAP  0.0495   0.0467   0.0454   0.0441   0.0427   0.0413   0.0374   0.0324
VENG       1972     1972     1972     1972     1972     1972     1972     1971
VDUCT      2617     2407     2307     2203     2093     1976     1640     1174
AJCDE      5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDD      9.17     8.10     7.63     7.16     6.69     6.22     4.95     3.26

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ALT      15000   WASIZE     640   PT2/PT2P  1.000   WBL3      0.
MN       0.40    PAM        8.3   PT2         9.3   WBL4      3.00
VA KTS   251     TAM        465   TT2         480   HPEXT     0.

MAXTHR   MAX D/H                                    MIN D/H NOT LIT

FNT       35428   33044   31965   30724   29491   28194   24547   20380
FGT       41219   38782   37641   36481   35228   33932   30785   26098
WAT         436     436     436     436     436     436     436     436
WFT       66876   58225   49151   44404   40056   35937   26485   17934
TSFC      1.886   1.762   1.538   1.445   1.358   1.275   1.079   0.880
BPR        1.29    1.29    1.29    1.29    1.29    1.29    1.29    1.28
WAT2        666     666     666     666     666     666     666     666

N1         5987    5987    5987    5987    5987    5987    5987    6026
N2         7878    7878    7878    7878    7878    7878    7878    7908
PT3D       26.5    26.5    26.5    26.5    26.5    26.5    26.5    27.7
PT4       117.2   117.2   117.2   117.2   117.2   117.2   117.2   121.6
TT3D        686     686     686     686     686     686     686     699
TT4        1078    1078    1078    1078    1078    1078    1078    1092

PT9        21.4    21.4    21.4    21.4    21.4    21.4    21.4    22.7
PTD        24.5    24.9    24.1    24.3    24.5    24.7    25.1    25.8
TT9        1992    1992    1992    1992    1992    1992    1992    1992
TTD        3560    3000    2750    2500    2250    2000    1471     699
WAS/WAP  0.0483  0.0462  0.0444  0.0436  0.0422  0.0408  0.0370  0.0325
VENG       1971    1971    1971    1971    1971    1971    1971    1971
VDUCT      2617    2437    2307    2203    2093    1976    1665    1182
AJCDE      5.21    5.21    5.21    5.21    5.21    5.21    5.21    5.21
AJCDO      9.17    8.13    7.63    7.16    6.68    6.22    4.97    3.16

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ALT      15000   WASIZE     640   PT2/PT2P  1.000   WBL3      0.
MN       0.50    PAM        8.3   PT2         9.8   WBL4      3.00
VA KTS   313     TAM        465   TT2         488   HPEXT     0.

MAXTHR   MAX D/H                                    MIN D/H NOT LIT

FNT       36377   33771   32556   31293   29978   28595   26754   20100
FGT       44870   41266   40044   39246   37670   36087   32247   27792
WAT         456     456     456     456     456     456     456     456
WFT       69713   56441   51156   46206   41662   37357   29570   14826
TSFC      1.916   1.672   1.571   1.477   1.390   1.305   1.114   0.518
BPR        1.32    1.30    1.30    1.30    1.30    1.30    1.30    1.28
WAT2        661     661     661     661     661     661     661     661

N1         5963    5963    5963    5963    5963    5963    5963    6103
N2         7891    7891    7891    7891    7891    7891    7891    7920
PT3D       27.6    27.6    27.6    27.6    27.6    27.6    27.6    28.9
PT4       122.3   122.3   122.3   122.3   122.3   122.3   122.3   127.0
TT3D        694     694     694     694     694     694     694     708
TT4        1087    1087    1087    1087    1087    1087    1087    1102

PT9        22.3    22.3    22.3    22.3    22.3    22.3    22.3    23.1
PTD        24.5    25.0    25.2    25.4    25.6    25.4    26.1    27.9
TT9        1992    1992    1992    1992    1992    1992    1992    1991
TTD        3560    3000    2750    2500    2250    2000    1535     708
WAS/WAP  0.0485  0.0458  0.0445  0.0432  0.0418  0.0404  0.0367  0.0322
VENG       1971    1971    1971    1971    1971    1971    1971    1970
VDUCT      2617    2437    2307    2203    2093    1976    1649    1184
AJCDE      5.21    5.21    5.21    5.21    5.21    5.21    5.21    5.2
AJCDO      9.14    8.12    7.65    7.18    6.71    6.23    5.05    3.16

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ALT      15000   WASIZE     640   PT2/PT2P  1.000   WBL3      0.
MN       0.60    PAM        8.3   PT2        10.6   WBL4      3.00
VA KTS   376     TAM        465   TT2         498   HPEXT     0.

MAXTHR   MAX D/H                                    MIN D/H NOT LIT

FNT       37702   34886   33570   32208   30793   29298   25218   20437
FGT       47170   44456   43038   41676   40261   38766   34686   29905
WAT         480     480     480     480     480     480     480     480
WFT       73216   59227   53658   48503   43645   39104   28905   19466
TSFC      1.942   1.698   1.598   1.506   1.417   1.335   1.146   0.952
BPR        1.30    1.30    1.30    1.30    1.30    1.30    1.30    1.29
WAT2        654     654     654     654     654     654     654     654

N1         5933    5933    5933    5933    5933    5933    5933    5976
N2         7915    7915    7915    7915    7915    7915    7915    7938
PT3D       29.0    29.0    29.0    29.0    29.0    29.0    29.0    30.4
PT4       128.7   128.7   128.7   128.7   128.7   128.7   128.7   133.7
TT3D        702     702     702     702     702     702     702     715
TT4        1099    1099    1099    1099    1099    1099    1099    1113

PT9        23.5    23.5    23.5    23.5    23.5    23.5    23.5    24.3
PTD        25.7    26.2    26.4    26.7    26.9    27.1    27.4    28.3
TT9        1991    1991    1991    1991    1991    1991    1991    1991
TTD        3560    3000    2750    2500    2250    2000    1386     715
WAS/WAP  0.0480  0.0453  0.0441  0.0427  0.0414  0.0400  0.0364  0.0319
VENG       1971    1971    1971    1971    1971    1971    1971    1971
VDUCT      2617    2437    2307    2203    2093    1976    1654    1198
AJCDE      5.21    5.21    5.21    5.21    5.21    5.21    5.21    5.21
AJCDO      9.23    8.15    7.68    7.21    6.74    6.26    5.03    3.22

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ALT      15000   WASIZE     640   PT2/PT2P  1.000   WBL3      0.
MN       0.80    PAM        8.3   PT2        12.6   WBL4      3.00
VA KTS   501     TAM        465   TT2         525   HPEXT     0.

MAXTHR   MAX D/H                                    MIN D/H NOT LIT

FNT       41533  [illegible] 36629  34905   33301   31513   26804   21188
FGT       55837   52507   50927   49293   47599   45811   41105   35496
WAT         544     544     544     544     544     544     544     544
WFT       82486   66633   60219   54242   48788   43602   32297   21544
TSFC      1.981   1.744   1.644   1.552   1.465   1.384   1.205   1.017
BPR        1.33    1.33    1.33    1.33    1.33    1.33    1.33    1.31
WAT2        636     636     636     636     636     636     636     636

N1         5861    5861    5861    5861    5861    5861    5861    5911
N2         7977    7977    7977    7977    7977    7977    7977    7559
PT3D       32.7    32.7    32.7    32.7    32.7    32.7    32.7    34.4
PT4       144.4   144.4   144.4   144.4   144.4   144.4   144.4   150.6
TT3D        723     723     723     723     723     723     723     736
TT4        1126    1126    1126    1126    1126    1126    1126    1142

PT9        26.3    26.3    26.3    26.3    26.3    26.3    26.3    27.1
PTD        28.8    29.4    29.7    29.9    30.1    30.4    30.9    33.1
TT9        1991    1991    1991    1991    1991    1991    1991    1990
TTD        3560    3000    2750    2500    2250    2000    1405     737
WAS/WAP  0.0469  0.0442  0.0430  0.0417  0.0404  0.0390  0.0355  0.0312
VENG       1971    1971    1971    1971    1971    1971    1971    1970
VDUCT      2417    2437    2307    2203    2093    1976    1665    1213
AJCDE      5.20    5.20    5.20    5.20    5.20    5.20    5.20    5.21
AJCDO      9.40    8.35    7.82    7.34    6.86    6.37    5.26    3.31

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ALT      15000   WASIZE     640   PT2/PT2P  1.000   WBL3      0.
MN       1.00    PAM        8.3   PT2        15.7   WBL4      3.00
VA KTS   626     TAM        465   TT2         558   HPEXT     0.

MAXTHR   MAX D/H                                    MIN D/H NOT LIT

FNT       47317   43090   41115   39073   36960   34733   29106   22175
FGT       68045   63839   61664   59622   57709   55480   49955   42924
WAT         631     631     631     631     631     631     631     631
WFT       95722   76954   69363   62236   55755   49593   36625   23931
TSFC      2.022   1.786   1.687   1.593   1.509   1.428   1.258   1.079
BPR        1.41    1.41    1.41    1.41    1.41    1.41    1.41    1.38
WAT2        613     613     613     613     613     613     613     614

N1         5749    5749    5749    5749    5749    5749    5749    5805
N2         8052    8052    8052    8052    8052    8052    8052    8077
PT3D       37.7    37.7    37.7    37.7    37.7    37.7    37.7    38.5
PT4       162.5   162.5   162.5   162.5   162.5   162.5   162.5   169.9
TT3D        747     747     747     747     747     747     747     760
TT4        1156    1156    1156    1156    1156    1156    1156    1173

PT9        29.5    29.5    29.5    29.5    29.5    29.5    29.5    30.8
PTD        32.9    33.6    33.9    34.2  [illegible] 34.8    35.3    37.9
TT9        1990    1990    1990    1990    1990    1990    1990    1990
TTD        3560    3000    2750    2500    2250    2000    1417     760
WAS/WAP  0.0456  0.0430  0.0418  0.0405  0.0392  0.0378  0.0343  0.0302
VENG       1971    1971    1971    1971    1971    1971    1971    1970
VDUCT      2617    2407    2308    2201    2091    1976    1477    1137
AJCDE      5.20    5.20    5.20    5.20    5.20    5.20    5.20    5.20
AJCDO      9.78    8.65    8.13    7.63    7.12    6.61    5.40    3.48

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ALT      25000   WASIZE     640   PT2/PT2P  1.000   WBL3      0.
MN       0.22    PAM        5.5   PT2         5.6   WBL4      1.00
VA KTS   123     TAM        432   TT2         433   HPEXT     0.

MAXTHR   MAX D/H                                    MIN D/H NOT LIT

FNT       24206   22582   21975   21232   20453   19631   17075   14266
FGT       26013   24496   23782   23040   22260   21439   19987   16073
WAT         286     286     286     286     286     286     286     286
WFT       46025   35575   32219   29136   26236   23520   16749   11083
TSFC      1.901   1.568   1.466   1.372   1.283   1.198   0.981   0.777
BPR        1.31    1.31    1.31    1.31    1.31    1.31    1.31    1.30
WAT2        684     684     684     684     684     684     684     684

N1         5951    5951    5951    5951    5951    5951    5951    5987
N2         7624    7624    7624    7624    7624    7624    7624    7674
PT3D       16.5    16.5    16.5    16.5    16.5    16.5    16.5    17.3
PT4        73.7    73.7    73.7    73.7    73.7    73.7    73.7    76.4
TT3D        625     625     625     625     625     625     625     637
TT4        1000    1000    1000    1000    1000    1000    1000    1014

PT9        13.5    13.5    13.5    13.5    13.5    13.5    13.5    13.9
PTD        14.6    14.7    14.9    15.0    15.1    15.3    15.5    16.7
TT9        1901    1901    1901    1901    1901    1901    1901    1900
TTD        3560    3000    2750    2500    2250    2000    1116     637
WAS/WAP  0.0512  0.0483  0.0469  0.0455  0.0440  0.0425  0.0381  0.0331
VENG       1927    1927    1927    1927    1927    1927    1927    1927
VDUCT      2617    2504    2307    2231    2092    1976    1612    1134
AJCDE      5.20    5.20    5.20    5.20    5.20    5.20    5.20    5.21
AJCDO      9.88    8.69    8.18    7.66    7.15    6.64    5.16    3.17

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ALT        25000   WASIZE      640   PT2/PT2P  1.000   WAL3       0.
MO          0.40   PAM         5.5   PT2         6.1   WAL4     3.00
VA KTS       241   TAM         430   TT2         444   HPEXT      0.

MAXTHR    MAX D/H                                  MIN D/H NOT LIT

FNT        25557   23614   22926   21988   21110   20187   17303   14264
FGT        29244   27522   26716   25876   24998   24075   21274   18152
WAT          308     308     308     308     308     308     308     308
WFT        47960   38465   34881   31556   28862   25571   18375   12287
TSFC       1.876   1.629   1.524   1.435   1.367   1.264   1.057   0.861
BPR         1.31    1.31    1.31    1.31    1.31    1.31    1.31    1.30
WAT2         686     686     686     686     686     686     686     686

N1          6039    6039    6035    6039    6035    6039    6039    6075
N2          7725    7725    7725    7725    7725    7725    7725    7774
PT3D        17.9    17.9    17.9    17.9    17.9    17.9    17.9    18.8
PT4         80.3    80.3    80.3    80.3    80.3    80.3    80.3    83.3
TT3D         640     640     640     640     640     640     640     652
TT4         1025    1025    1025    1025    1025    1025    1025    1039

PT9         14.7    14.7    14.7    14.7    14.7    14.7    14.7    15.2
PTD         15.7    16.0    16.2    16.3    16.5    16.6    16.7    19.1
TT9         1950    1950    1950    1950    1950    1950    1950    1969
TTD         3560    3000    2750    2500    2250    2000    1728     652
WAS/WAP   0.0504  0.0479  0.0466  0.0452  0.0437  0.0422  0.0380  0.0331
VENG        1951    1951    1951    1951    1951    1951    1951    1950
VDUCT       2617    2427    2307    2203    2092    1976    1620    1142
AJCDE       5.20    5.20    5.20    5.20    5.20    5.20    5.20    5.21
AJCDD       9.76    8.59    8.08    7.57    7.07    6.56    5.14    3.20

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ALT        25000   WASIZE      640   PT2/PT2P  1.000   WAL3       0.
MO          0.80   PAM         5.5   PT2         8.3   WAL4     3.00
VA KTS       482   TAM         430   TT2         485   HPEXT      0.

MAXTHR    MAX D/H                                  MIN D/H NOT LIT

FNT        31219   29721   27569   26366   25122   23818   20181   15929
FGT        41226   38517   37375   36183   34935   33634   29998   25746
WAT          389     389     389     389     389     389     389     389
WFT        59527   48217   43669   39447   35562   31887   23465   15829
TSFC       1.907   1.629   1.584   1.496   1.416   1.339   1.163   0.994
BPR         1.30    1.30    1.30    1.30    1.30    1.30    1.30    1.29
WAT2         663     663     663     663     663     663     663     663

N1          5966    5966    5966    5966    5966    5966    5966    6005
N2          7870    7870    7870    7870    7870    7870    7870    7898
PT3D        23.1    23.1    23.1    23.1    23.1    23.1    23.1    24.6
PT4        103.7   103.7   103.7   103.7   103.7   103.7   103.7   107.6
TT3D         688     688     688     688     688     658     688     700
TT4         1081    1081    1081    1081    1081    1081    1081    1095

PT9         18.9    18.9    18.9    18.9    18.9    18.9    18.9    19.6
PTD         20.6    21.1    21.3    21.4    21.6    21.9    22.1    23.6
TT9         1993    1993    1993    1993    1993    1993    1993    1993
TTD         3560    3000    2750    2500    2250    2000    1379     701
WAS/WAP   0.0487  0.0460  0.0447  0.0436  0.0420  0.0404  0.0367  0.0321
VENG        1972    1972    1972    1972    1972    1972    1972    1972
VDUCT       2617    2407    2307    2203    2093    1976    1666    1194
AJCDE       5.21    5.21    5.21    5.21    5.21    5.21    5.21    5.21
AJCDD       9.30    8.21    7.74    7.26    6.78    6.30    5.04    3.21

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ALT        25000   WASIZE      640   PT2/PT2P  0.997   WAL3       0.
MO          1.10   PAM         5.5   PT2        11.6   WAL4     3.00
VA KTS       662   TAM         430   TT2         534   HPEXT      0.

MAXTHR    MAX D/H                                  MIN D/H NOT LIT

FNT        38432   34978   33376   31723   30013   28214   23528   17856
FGT        55479   52025   50423   48770   47060   45261   40575   34901
WAT          491     491     491     491     491     491     491     491
WFT        74506   60087   54246   48805   43841   39120   28887   19109
TSFC       1.939   1.718   1.625   1.538   1.461   1.387   1.228   1.070
BPR         1.36    1.36    1.36    1.36    1.36    1.36    1.36    1.34
WAT2         630     630     630     630     630     630     630     630

N1          5822    5822    5822    5822    5822    5822    5822    5876
N2          7985    7985    7985    7985    7985    7985    7985    8009
PT3D        29.1    29.1    29.1    29.1    29.1    29.1    29.1    30.7
PT4        128.5   128.5   128.5   128.5   128.5   128.5   128.5   134.2
TT3D         727     727     727     727     727     727     727     740
TT4         1133    1133    1133    1133    1133    1133    1133    1149

PT9         23.4    23.4    23.4    23.4    23.4    23.4    23.4    24.3
PTD         25.5    26.1    26.3    26.5    26.8    27.0    27.4    29.5
TT9         1992    1992    1992    1992    1992    1992    1992    1991
TTD         3560    3000    2750    2500    2250    2000    1408     740
WAS/WAP   0.0466  0.0439  0.0427  0.0414  0.0400  0.0387  0.0352  0.0309
VENG        1972    1972    1972    1972    1972    1972    1972    1971
VDUCT       2617    2407    2307    2203    2093    1976    1667    1217
AJCDE       5.20    5.20    5.20    5.20    5.20    5.20    5.20    5.21
AJCDD       9.66    8.53    8.03    7.54    7.04    6.53    5.30    3.39

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ALT        25000   WASIZE      640   PT2/PT2P  0.991   WAL3       0.
MO          1.20   PAM         5.5   PT2        13.1   WAL4     3.00
VA KTS       722   TAM         430   TT2         556   HPEXT      0.

MAXTHR    MAX D/H                                  MIN D/H NOT LIT

FNT        41364   37473   35669   33808   31884   29860   24713   18362
FGT        61558   57667   55863   54002   52078   50054   44907   38556
WAT          533     533     533     533     533     533     533     533
WFT        80930   65074   58669   52665   47161   41973   30931   20146
TSFC       1.957   1.737   1.644   1.557   1.480   1.406   1.252   1.097
BPR         1.41    1.41    1.41    1.41    1.41    1.41    1.41    1.38
WAT2         616     616     616     616     616     616     616     616

N1          5754    5754    5754    5754    5754    5754    5754    5805
N2          8028    8028    8028    8028    8028    8028    8028    8056
PT3D        31.5    31.5    31.5    31.5    31.5    31.5    31.5    33.1
PT4        136.7   136.7   136.7   136.7   136.7   136.7   136.7   143.0
TT3D         741     741     741     741     741     741     741     756
TT4         1150    1150    1150    1150    1150    1150    1150    1167

PT9         24.9    24.9    24.9    24.9    24.9    24.9    24.9    26.0
PTD         27.6    28.0    28.3    28.5    28.8    29.0    29.5    31.7
TT9         1992    1992    1992    1992    1992    1992    1992    1991
TTD         3560    3000    2750    2500    2250    2000    1421     756
WAS/WAP   0.0459  0.0437  0.0419  0.0407  0.0393  0.0380  0.0346  0.0303
VENG        1972    1972    1972    1972    1972    1972    1972    1971
VDUCT       2617    2407    2308    2204    2093    1976    1676    1227
AJCDE       5.20    5.20    5.20    5.20    5.20    5.20    5.20    5.20
AJCDD       9.77    8.74    8.24    7.72    7.21    6.69    5.45    3.50

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ALT        25000   WASIZE      640   PT2/PT2P  0.985   WAL3       0.
MO          1.37   PAM         5.5   PT2        14.9   WAL4     3.00
VA KTS       825   TAM         430   TT2         575   HPEXT      0.

MAXTHR    MAX D/H                                  MIN D/H NOT LIT

FNT        44660   40253   38210   36104   33928   31640   25988   18803
FGT        68452   64045   62002   59896   57721   55432   49780   42595
WAT          579     579     579     579     579     579     579     579
WFT        88038   70561   63465   56835   50790   45062   33134   21143
TSFC       1.971   1.753   1.661   1.574   1.497   1.424   1.275   1.124
BPR         1.47    1.47    1.47    1.47    1.47    1.47    1.47    1.45
WAT2         602     602     602     602     602     602     602     602

N1          5684    5684    5684    5684    5684    5684    5684    5732
N2          8073    8073    8073    8073    8073    8073    8073    8099
PT3D        34.3    34.3    34.3    34.3    34.3    34.3    34.3    35.9
PT4        145.3   145.3   145.3   145.3   145.3   145.3   145.3   151.8
TT3D         758     758     758     758     758     758     758     769
TT4         1167    1167    1167    1167    1167    1167    1167    1184

PT9         26.3    26.3    26.3    26.3    26.3    26.3    26.3    27.5
PTD         29.8    30.4    30.7    31.0    31.3    31.5    32.0    34.3
TT9         1991    1991    1991    1991    1991    1991    1991    1991
TTD         3560    3000    2750    2500    2250    2000    1436     769
WAS/WAP   0.0451  0.0425  0.0412  0.0399  0.0386  0.0373  0.0340  0.0297
VENG        1971    1971    1971    1971    1971    1971    1971    1971
VDUCT       2617    2407    2308    2203    2093    1976    1683    1240
AJCDE       5.21    5.21    5.21    5.21    5.21    5.21    5.21    5.21
AJCDD      10.39    8.90    8.38    7.86    7.33    6.81    5.58    3.62

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ALT        36150   WASIZE      640   PT2/PT2P  1.000   WAL3       0.
MO          0.40   PAM         3.3   PT2         3.7   WAL4     3.00
VA KTS       229   TAM         390   TT2         403   HPEXT      0.

MAXTHR    MAX D/H                                  MIN D/H NOT LIT

FNT        15250   14227   13744   13238   12706   12143   10245    8220
FGT        17584   16561   16078   15572   15040   14477   12579   10554
WAT          194     194     194     194     194     194     194     194
WFT        29631   23831   21557   19420   17423   15569   10631    6759
TSFC       1.943   1.675   1.568   1.467   1.371   1.282   1.038   0.822
BPR         1.33    1.33    1.33    1.33    1.33    1.33    1.33    1.32
WAT2         685     685     685     685     685     685     685     685

N1          5747    5747    5747    5747    5747    5747    5747    5776
N2          7291    7291    7291    7291    7291    7291    7291    7339
PT3D        10.3    10.3    10.3    10.3    10.3    10.3    10.3    10.8
PT4         46.9    46.9    46.9    46.9    46.9    46.9    46.9    48.7
TT3D         573     573     573     573     573     573     573     583
TT4          925     925     925     925     925     925     925     938

PT9          8.5     8.5     8.5     8.5     8.5     8.5     8.5     8.8
PTD          8.8     9.0     9.1     9.2     9.3     9.4     9.7    10.4
TT9         1758    1758    1758    1758    1758    1758    1758    1758
TTD         3560    3000    2750    2500    2250    2000    1265     583
WAS/WAP   0.0526  0.0495  0.0481  0.0465  0.0450  0.0434  0.0383  0.0329
VENG        1855    1855    1855    1855    1855    1855    1855    1855
VDUCT       2617    2407    2307    2202    2092    1976    1581    1081
AJCDE       5.21    5.21    5.21    5.21    5.21    5.21    5.21    5.21
AJCDD      11.06    9.68    9.09    8.50    7.92    7.33    5.55    3.36

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ALT       36150   WASIZE      640   PT2/PT2P  1.000    WRL3      0.
MO        0.80    PAM         3.3   PT2         4.2    WRL4      3.00
VA KTS     466    TAM         390   TT2         418    HPEXT     0.

MAXTHR    MAX D/H                                      MIN D/H NOT LIT

FNT       17251   15947   15395   14780   14235   13455   11268    4882
FGT       21117   19706   19313   18674   18054   17374   15147   12801
WAT         217     217     217     217     217     217     217     217
WFT       33296   26906   24244   21311   17691   17621   12260    7457
TSFC      1.930   1.687   1.575   1.442   1.331   1.310   1.088   1.495
BPR        1.32    1.32    1.32    1.32    1.32    1.32    1.32    1.31
WAT2        686     686     686     686     686     686     686     586

N1         5944    5944    5944    5944    5944    5944    5944    5916
N2         7467    7467    7467    7467    7467    7467    7467    7491
PT3D       12.0    12.0    12.0    12.0    12.0    12.0    12.0    12.6
PT4        54.0    54.0    54.0    54.0    54.0    54.0    54.0    56.1
TT3D        598     598     598     598     598     598     598     609
TT4         961     961     961     961     961     961     961     975

PT9         9.8     9.8     9.8     9.8     9.8     9.8     9.8    10.2
PTD        10.5    10.6    10.7    10.8    10.9    11.0    11.3    12.1
TT9        1832    1832    1832    1832    1832    1832    1832    1931
TTD        3560    3000    2750    2500    2250    2000    1267     609
WAS/WAP  0.0511  0.0489  0.0475  0.0460  0.0445  0.0429  0.0382  0.0330
VENG       1893    1893    1893    1893    1893    1893    1893    1893
VDUCT      2617    2407    2307    2203    2092    1976    1547    1106
AJCDE      5.21    5.21    5.21    5.21    5.21    5.21    5.21    5.21
AJCDD     10.52    9.23    8.67    8.12    7.57    7.02    5.19    3.28

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ALT       36150   WASIZE      640   PT2/PT2P  1.000    WRL3      0.
MO        0.90    PAM         3.3   PT2         5.6    WRL4      3.00
VA KTS     516    TAM         390   TT2         451    HPEXT     0.

MAXTHR    MAX D/H                                      MIN D/H NOT LIT

FNT       22735   21135   20270   19377   18449   17475   14635   11137
FGT       30434   28632   27767   26476   25768   24772   21103   15934
WAT         277     277     277     277     277     277     277     277
WFT       42969   36427   31565   28581   25762   23130   16746   11327
TSFC      1.890   1.724   1.557   1.476   1.396   1.324   1.150   1.017
BPR        1.31    1.31    1.31    1.31    1.31    1.31    1.31    1.31
WAT2        685     685     685     685     685     685     685     685

N1         6095    6095    6095    6095    6095    6095    6095    6137
N2         7790    7790    7790    7790    7790    7790    7790    7860
PT3D       16.1    16.1    16.1    16.1    16.1    16.1    16.1    16.4
PT4        72.7    72.7    72.7    72.7    72.7    72.7    72.7    74.6
TT3D        652     652     652     652     652     652     652     656
TT4        1044    1044    1044    1044    1044    1044    1044    1053

PT9        13.3    13.3    13.3    13.3    13.3    13.3    13.3    13.8
PTD        14.1    14.4    14.6    14.7    14.8    14.9    15.2    16.1
TT9        1996    1996    1996    1996    1996    1996    1996    1695
TTD        3560    3000    2750    2500    2250    2000    1317     656
WAS/WAP  0.0506  0.0476  0.0462  0.0447  0.0435  0.0420  0.0374  0.0331
VENG       1973    1973    1973    1973    1973    1973    1973    1973
VDUCT      2617    2407    2307    2203    2093    1976    1626    1151
AJCDE      5.20    5.20    5.20    5.20    5.20    5.20    5.20    5.21
AJCDD      9.75    8.57    8.07    7.59    7.08    6.57    5.12    3.24

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ALT       36150   WASIZE      640   PT2/PT2P  0.931    WRL3      0.
MO        1.20    PAM         3.3   PT2         7.9    WRL4      3.00
VA KTS     688    TAM         390   TT2         505    HPEXT     0.

MAXTHR    MAX D/H                                      MIN D/H NOT LIT

FNT       29205   26591   25367   24116   22822   21465   17775   13370
FGT       42238   39414   38199   36968   35655   34297   30604   26203
WAT         355     355     355     355     355     355     355     355
WFT       54256   43876   39690   35797   32225   28845   21218   14180
TSFC      1.858   1.651   1.565   1.484   1.412   1.344   1.194   1.061
BPR        1.32    1.32    1.32    1.32    1.32    1.32    1.32    1.31
WAT2        651     651     651     651     651     651     651     651

N1         5906    5906    5906    5906    5906    5906    5906    5946
N2         7895    7895    7895    7895    7895    7895    7895    7914
PT3D       21.0    21.0    21.0    21.0    21.0    21.0    21.0    22.0
PT4        93.8    93.8    93.8    93.8    93.8    93.8    93.8    97.5
TT3D        700     700     700     700     700     700     700     712
TT4        1098    1098    1098    1098    1098    1098    1098    1113

PT9        17.1    17.1    17.1    17.1    17.1    17.1    17.1    17.7
PTD        18.5    18.9    19.0    19.2    19.3    19.5    19.8    21.2
TT9        1994    1994    1994    1994    1994    1994    1994    1994
TTD        3560    3000    2750    2500    2250    2000    1383     712
WAS/WAP  0.0479  0.0452  0.0439  0.0425  0.0413  0.0399  0.0362  0.0318
VENG       1972    1972    1972    1972    1972    1972    1972    1972
VDUCT      2617    2407    2307    2203    2091    1976    1652    1193
AJCDE      5.21    5.21    5.21    5.21    5.21    5.21    5.21    5.21
AJCDD      9.54    8.45    7.96    7.47    6.97    6.48    5.20    3.31

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ALT       36150   WASIZE      640   PT2/PT2P  0.971    WRL3      0.
MO        1.50    PAM         3.3   PT2        11.7    WRL4      3.00
VA KTS     860    TAM         390   TT2         566    HPEXT     0.

MAXTHR    MAX D/H                                      MIN D/H NOT LIT

FNT       37233   33455   31708   29837   28055   26127   21214   15075
FGT       58148   54369   52622   50926   48369   47022   42133   35585
WAT         463     463     463     463     463     463     463     463
WFT       73548   56582   50919   45530   40805   35726   26566   17026
TSFC      1.975   1.691   1.606   1.526   1.455   1.367   1.252   1.129
BPR        1.46    1.46    1.46    1.46    1.46    1.46    1.46    1.44
WAT2        608     608     608     608     608     608     608     608

N1         5703    5703    5703    5703    5703    5703    5703    5752
N2         8038    8038    8038    8038    8038    8038    8038    8066
PT3D       27.0    27.0    27.0    27.0    27.0    27.0    27.0    28.1
PT4       116.2   116.2   116.2   116.2   116.2   116.2   116.2   121.5
TT3D        747     747     747     747     747     747     747     759
TT4        1157    1157    1157    1157    1157    1157    1157    1173

PT9        21.1    21.1    21.1    21.1    21.1    21.1    21.1    22.0
PTD        23.1    23.9    24.1    24.3    24.5    24.7    25.1    27.1
TT9        1994    1994    1994    1994    1994    1994    1994    1993
TTD        3560    3000    2750    2500    2250    2000    1425     759
WAS/WAP  0.0455  0.0428  0.0416  0.0403  0.0389  0.0376  0.0342  0.0299
VENG       1972    1972    1972    1972    1972    1972    1972    1972
VDUCT      2617    2407    2308    2203    2091    1976    1677    1232
AJCDE      5.20    5.20    5.20    5.20    5.20    5.20    5.20    5.21
AJCDD     10.27    9.06    8.52    7.99    7.45    6.92    5.65    3.63

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ALT       36150   WASIZE      660   PT2/PT2P  0.945    WRL3      0.
MO        1.80    PAM         3.3   PT2        17.8    WRL4      3.00
VA KTS    1032    TAM         390   TT2         663    HPEXT     0.

MAXTHR    MAX D/H                                      MIN D/H NOT LIT

FNT       47598   42128   39608   37023   34350   31551   25311   16617
FGT       80318   74667   72327   69743   67070   64270   58030   49337
WAT         604     604     604     604     604     604     604     604
WFT       91202   72273   64567   57537   51104   44911   33131   20026
TSFC      1.916   1.716   1.630   1.554   1.488   1.423   1.309   1.205
BPR        1.62    1.62    1.62    1.62    1.62    1.62    1.62    1.60
WAT2        555     555     555     555     555     555     555     555

N1         5498    5498    5498    5498    5498    5498    5498    5539
N2         8177    8177    8177    8177    8177    8177    8177    8213
PT3D       36.1    36.1    36.1    36.1    36.1    36.1    36.1    37.8
PT4       143.2   143.2   143.2   143.2   143.2   143.2   143.2   149.2
TT3D        813     813     813     813     813     813     813     823
TT4        1222    1222    1222    1222    1222    1222    1222    1238

PT9        25.9    25.9    25.9    25.9    25.9    25.9    25.9    26.9
PTD        31.1    31.8    32.1    32.4    32.7    32.9    33.4    35.9
TT9        1993    1993    1993    1993    1993    1993    1993    1992
TTD        3560    3000    2750    2500    2250    2000    1485     823
WAS/WAP  0.0429  0.0403  0.0391  0.0379  0.0366  0.0352  0.0323  0.0281
VENG       1972    1972    1972    1972    1972    1972    1972    1972
VDUCT      2617    2408    2308    2203    2093    1976    1711    1282
AJCDE      5.20    5.20    5.20    5.20    5.20    5.20    5.20    5.21
AJCDD     10.44    9.21    8.66    8.11    7.58    7.03    5.88    3.89

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ALT       45000   WASIZE      640   PT2/PT2P  1.000    WRL3      0.
MO        0.50    PAM         2.1   PT2         2.5    WRL4      2.00
VA KTS     287    TAM         370   TT2         407    HPEXT     0.

MAXTHR    MAX D/H                                      MIN D/H NOT LIT

FNT       10432    9612    9276    8821    8549    8035    6210    5423
FGT       12363   11623   11285   10937   10560   10167    8421    7456
WAT         136     136     136     136     136     136     136     136
WFT       21273   16842   15219   13360   12263   10944    7385    4683
TSFC      2.040   1.752   1.641   1.515   1.434   1.362   1.189   0.863
BPR        1.36    1.36    1.36    1.36    1.36    1.36    1.35    1.35
WAT2        685     685     685     685     685     685     685     685

N1         5818    5818    5818    5818    5818    5818    5818    5856
N2         7304    7304    7304    7304    7304    7304    7304    7363
PT3D        6.9     6.9     6.9     6.9     6.9     6.9     6.9     7.3
PT4        32.2    32.2    32.2    32.2    32.2    32.2    32.2    33.5
TT3D        577     577     577     577     577     577     577     588
TT4         939     939     939     939     939     939     939     952

PT9         5.9     5.9     5.9     5.9     5.9     5.9     5.9     6.1
PTD         5.8     6.0     6.1     6.1     6.2     6.3     6.5     7.0
TT9        1776    1776    1776    1776    1776    1776    1776    1776
TTD        3560    3000    2750    2500    2250    2000    1255     588
WAS/WAP  0.0524  0.0493  0.0479  0.0464  0.0448  0.0432  0.0381  0.0328
VENG       1874    1874    1874    1874    1874    1874    1874    1874
VDUCT      2617    2407    2307    2202    2092    1976    1375    1085
AJCDE      5.21    5.21    5.21    5.21    5.21    5.21    5.21    5.21
AJCDD     11.65   10.18    9.55    8.92    8.30    7.66    5.77    3.47

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ALT        45000    WASIZE        640    PT2/PT2P  1.000     WBL3          0.
MU          0.80    PAM           2.1    PT2         3.3     WBL4        3.00
VA KTS       459    TAM           390    TT2         440     HPEXT         0.

MAXTHR    MAX D/H                                          MIN D/H NOT LIT

FNT        13107    12241    11601    11105    10585    10032     8331     5446
FGT        17105    16274    15594    15097    14578    14032    12426    10419
WAT          156      166      166      166      166      166      166      166
WFT        25765    20769    18796    16995    15278    13681     9668     5339
TSFC       1.966    1.713    1.620    1.530    1.447    1.361    1.160    0.981
BPR         1.36     1.36     1.36     1.36     1.36     1.36     1.36     1.34
WAT2         685      685      685      685      685      685      685      685

N1          6023     6023     6023     6023     6023     6023     6023     6050
N2          7586     7586     7586     7586     7586     7586     7586     7624
PT3D         8.9      8.9      8.9      8.9      8.9      8.9      8.9      9.4
PT4         41.4     41.4     41.4     41.4     41.4     41.4     41.4     43.0
TT3D         619      619      619      619      619      619      619      631
TT4         1004     1004     1004     1004     1004     1004     1004     1019

PT9          7.6      7.6      7.6      7.6      7.6      7.6      7.6      7.9
PTD          7.5      7.7      7.8      7.9      8.0      8.1      8.3      9.0
TT9         1939     1939     1938     1938     1936     1938     1939     1438
TTD         3560     3000     2750     2500     2250     2000     1309      631
WAS/WAP   0.0511   0.0481   0.0459   0.0453   0.0435   0.0424   0.0379   0.0329
VENG        1945     1945     1945     1945     1945     1945     1945     1945
VOUCT       2617     2407     2307     2203     2092     1976     1808     1123
AJCDE       5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCOD      11.08     9.72     9.13     8.54     7.96     7.37     5.69     3.47

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ALT        45000    WASIZE        640    PT2/PT2P  0.991     WBL3          0.
MU          1.20    PAM           2.1    PT2         5.2     WBL4        3.00
VA KTS       689    TAM           390    TT2         502     HPEXT         0.

MAXTHR    MAX D/H                                          MIN D/H NOT LIT

FNT        18756    17566    16280    15472    14673    13756    11320     8659
FGT        27157    25665    24681    23672    23036    22156    19721    16869
WAT          233      233      233      233      233      233      233      233
WFT        35665    29330    26374    23456    21096    18860    14761    10199
TSFC       1.902    1.687    1.579    1.516    1.442    1.371    1.215    1.177
BPR         1.35     1.35     1.35     1.35     1.35     1.35     1.35     1.34
WAT2         651      651      651      651      651      651      651      651

N1          5833     5899     5894     5895     5899     5833     5837     5513
N2          7867     7867     7867     7867     7867     7867     7867     7872
PT3D        13.1     13.1     13.1     13.1     13.1     13.1     13.1     13.8
PT4         60.0     60.0     60.0     60.0     60.0     60.0     60.0     62.9
TT3D         690      690      690      690      690      690      697      702
TT4         1091     1091     1091     1091     1091     1091     1091     1107

PT9         11.0     11.0     11.0     11.0     11.0     11.0     11.0     11.4
PTD         11.3     11.6     11.7     11.8     11.9     12.1     12.3     11.3
TT9         1398     1398     1398     1398     1398     1398     1398     1598
TTD         3560     3000     2750     2500     2250     2000     1374      702
WAS/WAP   0.0490   0.0493   0.0460   0.0427   0.0413   0.0399   0.0361   0.0314
VENG        1975     1975     1975     1975     1975     1975     1975     1974
VOUCT       2617     2407     2307     2203     2093     1976     1667     1185
AJCDE       5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCOD      10.13     9.37     8.53     7.99     7.46     6.92     5.52     3.67

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ALT        45000    WASIZE        640    PT2/PT2P  0.971     WBL3          0.
MU          1.50    PAM           2.1    PT2         7.7     WBL4        3.00
VA KTS       860    TAM           390    TT2         566     HPEXT         0.

MAXTHR    MAX D/H                                          MIN D/H NOT LIT

FNT        24025    21579    20433    19243    18059    16785    13545     9507
FGT        37716    35261    34125    32954    31748    30476    27236    23159
WAT          303      303      303      303      303      303      303      303
WFT        46612    37162    33414    29916    26728    23695    17228    10913
TSFC       1.942    1.723    1.635    1.553    1.480    1.412    1.272    1.148
BPR         1.50     1.50     1.50     1.50     1.50     1.50     1.50     1.47
WAT2         608      608      608      608      608      608      608      608

N1          5682     5682     5682     5682     5682     5682     5682     5726
N2          7996     7996     7996     7996     7996     7996     7996     8025
PT3D        17.0     17.0     17.0     17.0     17.0     17.0     17.0     17.9
PT4         74.2     74.2     74.2     74.2     74.2     74.2     74.2     77.6
TT3D         739      739      739      739      739      739      739      751
TT4         1149     1149     1149     1149     1149     1149     1149     1165

PT9         13.5     13.5     13.5     13.5     13.5     13.5     13.5     14.1
PTD         14.5     14.8     15.0     15.2     15.3     15.5     15.7     17.0
TT9         1997     1997     1997     1997     1997     1997     1997     1597
TTD         3560     3000     2750     2500     2250     2000     1419      751
WAS/WAP   0.0456   0.0429   0.0416   0.0403   0.0390   0.0376   0.0342   0.0298
VENG        1974     1974     1974     1974     1974     1974     1974     1974
VOUCT       2617     2407     2309     2203     2093     1976     1673     1225
AJCDE       5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCOD      10.94     9.63     9.05     8.48     7.90     7.32     5.94     3.80

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ALT        45000    WASIZE        640    PT2/PT2P  0.945     WBL3          0.
MU          1.80    PAM           2.1    PT2        11.7     WBL4        3.00
VA KTS      1032    TAM           390    TT2         643     HPEXT         0.

MAXTHR    MAX D/H                                          MIN D/H NOT LIT

FNT        30835    27266    25620    23932    22185    20353    16712    10493
FGT        52249    48679    47034    45346    43598    41757    37625    31904
WAT          395      395      395      395      395      395      395      395
WFT        59989    47486    42461    37747    33500    29408    21536    12876
TSFC       1.946    1.742    1.657    1.577    1.510    1.445    1.289    1.227
BPR         1.66     1.66     1.66     1.66     1.66     1.66     1.66     1.64
WAT2         555      555      555      555      555      555      555      555

N1          5472     5472     5472     5472     5472     5472     5472     5512
N2          8128     8128     8128     8128     8128     8128     8128     8168
PT3D        22.9     22.9     22.9     22.9     22.9     22.9     22.9     24.5
PT4         91.6     91.6     91.6     91.6     91.6     91.6     91.6     95.5
TT3D         806      806      806      806      806      806      806      816
TT4         1215     1215     1215     1215     1215     1215     1215     1230

PT9         16.6     16.6     16.6     16.6     16.6     16.6     16.6     17.3
PTD         19.5     20.0     20.2     20.4     20.6     20.8     21.1     22.7
TT9         1997     1997     1997     1997     1997     1997     1997     1596
TTD         3560     3000     2750     2500     2250     2000     1479      616
WAS/WAP   0.0419   0.0404   0.0392   0.0379   0.0366   0.0353   0.0323   0.0280
VENG        1974     1974     1974     1974     1974     1974     1974     1974
VOUCT       2617     2408     2308     2203     2093     1975     1707     1276
AJCDE       5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCOD      11.00     9.69     9.10     8.52     7.94     7.37     6.13     4.05

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ALT        45000    WASIZE        640    PT2/PT2P  0.925     WBL3          0.
MU          2.00    PAM           2.1    PT2        15.6     WBL4        3.00
VA KTS      1147    TAM           390    TT2         702     HPEXT         0.

MAXTHR    MAX D/H                                          MIN D/H NOT LIT

FNT        36183    31683    29618    27492    25299    23007    18384    11353
FGT        64331    59890    57826    55659    53507    51214    46591    39561
WAT          469      469      469      469      469      469      469      469
WFT        69879    54997    49016    43395    38323    33448    24949    14520
TSFC       1.931    1.736    1.655    1.575    1.515    1.454    1.357    1.279
BPR         1.70     1.70     1.70     1.70     1.70     1.70     1.70     1.69
WAT2         515      515      515      515      515      515      515      515

N1          5429     5429     5429     5429     5429     5429     5429     5469
N2          8164     8164     8164     8164     8164     8164     8164     8211
PT3D        28.9     28.9     28.9     28.9     28.9     28.9     28.9     30.0
PT4        107.7    107.7    107.7    107.7    107.7    107.7    107.7    111.9
TT3D         863      863      863      863      863      863      863      872
TT4         1270     1270     1270     1270     1270     1270     1270     1285

PT9         19.4     19.4     19.4     19.4     19.4     19.4     19.4     20.1
PTD         24.9     25.5     25.7     26.0     26.2     26.4     26.7     28.4
TT9         1996     1996     1996     1996     1996     1996     1996     1995
TTD         3560     3000     2750     2500     2250     2000     1531      872
WAS/WAP   0.0412   0.0387   0.0375   0.0363   0.0351   0.0338   0.0312   0.0271
VENG        1974     1974     1974     1974     1974     1974     1974     1973
VOUCT       2617     2408     2308     2203     2093     1976     1736     1319
AJCDE       5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCOD      10.26     9.06     8.52     7.99     7.46     6.93     5.90     4.01

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ALT        55000    WASIZE        640    PT2/PT2P  0.997     WBL3          0.
MU          1.10    PAM           1.3    PT2         2.8     WBL4        2.00
VA KTS       631    TAM           390    TT2         484     HPEXT         0.

MAXTHR    MAX D/H                                          MIN D/H NOT LIT

FNT        13556     9633     9206     8764     8305     7825     6418     4830
FGT        15436    14014    13587    13146    12687    12206    10799     9211
WAT          132      132      132      132      132      132      132      132
WFT        23760    16706    15097    13605    12228    10930     7851     5161
TSFC       1.767    1.734    1.640    1.552    1.472    1.397    1.223    1.069
BPR         1.38     1.38     1.38     1.38     1.38     1.38     1.38     1.37
WAT2         663      663      663      663      663      663      663      663

N1          5977     5977     5977     5977     5977     5977     5977     6001
N2          7763     7763     7763     7763     7763     7763     7763     7769
PT3D         7.1      7.1      7.1      7.1      7.1      7.1      7.1      7.5
PT4         33.5     33.5     33.5     33.5     33.5     33.5     33.5     34.8
TT3D         666      666      666      666      666      666      666      678
TT4         1066     1066     1066     1066     1066     1066     1066     1080

PT9          6.1      6.1      6.1      6.1      6.1      6.1      6.1      6.4
PTD          6.1      6.2      6.3      6.4      6.4      6.5      6.6      7.2
TT9         2003     2003     2003     2003     2003     2003     2003     2004
TTD         3560     3000     2750     2500     2250     2000     1345      678
WAS/WAP   0.0490   0.0462   0.0448   0.0435   0.0421   0.0406   0.0366   0.0320
VENG        1977     1977     1977     1977     1977     1977     1977     1977
VOUCT       2617     2407     2307     2203     2092     1976     1630     1164
AJCDE       5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCOD      11.07     9.72     9.13     8.54     7.96     7.37     5.79     3.61

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ALT       55000   WASIZE     640   PT2/PT2P  0.991   WBL3      0.
MO         1.20   PAM        1.1   PT2         3.2   WBL4    3.00
VA KTS      689   TAM        390   TT2         502   HPEXT     0.

MAXTHR    MAX D/H                                    MIN D/H NOT LIT

FNT       11147   10181    9709    9221    8716    8183    6665    4910
FGT       14901   15389   14916   14424   13921   13390   11972   10117
WAT         144     144     144     144     144     144     144     144
WFT       22232   17899   16161   14550   13063   11658    8390    5562
TSFC      1.996   1.758   1.665   1.578   1.499   1.425   1.257   1.112
BPR        1.40    1.40    1.40    1.40    1.40    1.40    1.40    1.18
WAT2        651     651     651     651     651     651     651     651

N1         5989    5989    5989    5989    5989    5989    5989    5923
N2         7778    7778    7778    7778    7778    7778    7778    7910
PT3D        7.5     7.5     7.5     7.5     7.5     7.5     7.5     8.0
PT4        35.6    35.6    35.6    35.6    35.6    35.6    35.6    37.1
TT3D        675     675     675     675     675     675     675     688
TT4        1077    1077    1075    1077    1075    1077    1079    1093

PT9         6.5     6.5     6.5     6.5     6.5     6.5     6.5     6.8
PTD         6.3     6.5     6.6     6.6     6.7     6.8     6.9     7.6
TT9        2003    2003    2003    2003    2003    2003    2003    2003
TTD        3560    3000    2750    2500    2250    2000    1361     688
WAS/WAP  0.0481  0.0454  0.0441  0.0427  0.0412  0.0399  0.0360  0.0314
VENG       1977    1977    1977    1977    1977    1977    1977    1977
VDUCT      2617    2407    2307    2203    2093    1976    1649    1173
AJCOE      5.21    5.21    5.21    5.21    5.21    5.21    5.21    5.21
AJCOD     11.69   10.21    9.59    8.97    8.15    7.73    6.10    4.77

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ALT       55000   WASIZE     640   PT2/PT2P  0.971   WBL3      0.
MO         1.57   PAM        1.1   PT2         4.7   WBL4    3.00
VA KTS      863   TAM        390   TT2         546   HPEXT     0.

MAXTHR    MAX D/H                                    MIN D/H NOT LIT

FNT       14436   12468   12255   11544   10807   10032    8001    5529
FGT       22927   21432   20762   20030   19294   18518   16447   14314
WAT         188     188     188     188     188     188     188     188
WFT       28475   23161   20787   19580   16577   14863   10815    6550
TSFC      2.037   1.787   1.696   1.610   1.537   1.467   1.314   1.185
BPR        1.56    1.56    1.56    1.56    1.56    1.56    1.56    1.53
WAT2        608     608     608     608     608     608     608     608

N1         5651    5651    5651    5651    5651    5651    5651    5658
N2         7923    7923    7924    7923    7924    7921    7924    7972
PT3D        9.4     9.4     9.4     9.4     9.4     9.4     9.4    10.4
PT4        44.1    44.1    44.1    44.1    44.1    44.1    44.1    47.3
TT3D        726     726     726     726     726     726     726     739
TT4        1138    1138    1138    1139    1138    1138    1138    1154

PT9         8.0     8.0     8.0     8.0     8.0     8.0     8.0     8.4
PTD         8.1     8.3     8.4     8.5     8.7     8.8     9.0     9.7
TT9        2003    2003    2003    2003    2003    2003    2003    2002
TTD        3560    3000    2750    2500    2250    2000    1407     739
WAS/WAP  0.0457  0.0432  0.0417  0.0404  0.0390  0.0376  0.0340  0.0296
VENG       1977    1977    1977    1977    1977    1977    1977    1976
VDUCT      2617    2407    2307    2203    2093    1976    1666    1215
AJCOE      5.21    5.21    5.21    5.21    5.21    5.21    5.21    5.21
AJCOD     12.33   10.80   10.13    9.47    8.80    8.14    6.55    4.04

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ALT       55000   WASIZE     640   PT2/PT2P  0.945   WBL3      0.
MO         1.80   PAM        1.1   PT2         7.2   WBL4    3.00
VA KTS     1032   TAM        390   TT2         643   HPEXT     0.

MAXTHR    MAX D/H                                    MIN D/H NOT LIT

FNT       18573   16508   15499   14463   13389   12261    9654    6114
FGT       31765   29780   28771   27715   26661   25533   22927   19386
WAT         245     245     245     245     245     245     245     245
WFT       37727   29577   26422   23456   20787   18219   13191    7760
TSFC      2.032   1.792   1.705   1.622   1.553   1.486   1.366   1.269
BPR        1.72    1.72    1.72    1.72    1.72    1.72    1.72    1.70
WAT2        555     555     555     555     555     555     555     555

N1         5439    5439    5439    5439    5439    5439    5439    5480
N2         8047    8047    8047    8047    8047    8047    8047    8101
PT3D       13.4    13.4    13.4    13.4    13.4    13.4    13.4    14.1
PT4        54.7    54.7    54.7    54.7    54.7    54.7    54.7    57.1
TT3D        796     796     796     796     796     796     796     806
TT4        1205    1205    1205    1205    1205    1205    1205    1220

PT9         9.9     9.9     9.9     9.9     9.9     9.9     9.9    10.3
PTD        11.1    11.4    11.6    11.7    11.8    12.0    12.2    13.3
TT9        2003    2003    2003    2003    2003    2003    2003    2002
TTD        3560    3000    2750    2500    2250    2000    1470     806
WAS/WAP  0.0431  0.0405  0.0393  0.0380  0.0367  0.0353  0.0322  0.0279
VENG       1977    1977    1977    1977    1977    1977    1977    1976
VDUCT      2617    2408    2308    2203    2093    1976    1762    1269
AJCOE      5.20    5.20    5.20    5.20    5.20    5.20    5.20    5.21
AJCOD     12.11   10.62    9.96    9.31    8.66    8.02    6.63    4.32

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ALT       55000   WASIZE     640   PT2/PT2P  0.925   WBL3      0.
MO         2.00   PAM        1.1   PT2         9.6   WBL4    3.00
VA KTS     1147   TAM        390   TT2         702   HPEXT     0.

MAXTHR    MAX D/H                                    MIN D/H NOT LIT

FNT       22097   19319   18044   16725   15372   13952   11035    6659
FGT       39582   36802   35527   34212   32858   31435   28519   24143
WAT         291     291     291 [illegible]   291     291     291     291
WFT       43556   34220   30474   26959   23775   20719   15111    8775
TSFC      1.971   1.771   1.689   1.611   1.547   1.485   1.387   1.318
BPR        1.76    1.76    1.76    1.76    1.76    1.76    1.76    1.74
WAT2        515     515     515     515     515     515     515     515

N1         5399    5399    5399    5399    5399    5399    5399    5435
N2         8085    8085    8085    8085    8085    8085    8085    8142
PT3D       17.2    17.2    17.2    17.2    17.2    17.2    17.2    17.9
PT4        64.7    64.7    64.7    64.7    64.7    64.7    64.7    67.3
TT3D        855     855     855     855     855     855     855     863
TT4        1261    1261    1261    1261    1261    1261    1261    1276

PT9        11.7    11.7    11.7    11.7    11.7    11.7    11.7    12.1
PTD        14.6    14.9    15.1    15.2    15.4    15.5    15.8    16.8
TT9        2001    2001    2001    2001    2001    2001    2001    2000
TTD        3560    3000    2750    2500    2250    2000    1523     863
WAS/WAP  0.0413  0.0388  0.0376  0.0364  0.0351  0.0338  0.0311  0.0270
VENG       1976    1976    1976    1976    1976    1976    1976    1976
VDUCT      2617    2408    2308    2203    2091    1976    1732    1312
AJCOE      5.21    5.21    5.21    5.21    5.21    5.21    5.21    5.21
AJCOD     11.00    9.69    9.10    8.52    7.95    7.37    6.25    4.22

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ALT       55000   WASIZE     640   PT2/PT2P  0.904   WBL3      0.
MO         2.20   PAM        1.1   PT2        12.9   WBL4    3.00
VA KTS     1262   TAM        390   TT2         767   HPEXT     0.

MAXTHR    MAX D/H                                    MIN D/H NOT LIT

FNT       25772   22305   20717   19083   17400   15644   12526    7284
FGT       48393   44916   43327   41693   40010   38254   35136   29894
WAT         342     342     342     342     342     342     342     342
WFT       50040   39110   34726   30591   26850   23265   17681    9989
TSFC      1.942   1.753   1.676   1.603   1.543   1.487   1.412   1.371
BPR        1.77    1.77    1.77    1.77    1.77    1.77    1.77    1.74
WAT2        474     474     474     474     474     474     474     474

N1         5348    5348    5348    5348    5348    5348    5348    5392
N2         8106    8106    8106    8106    8106    8106    8106    8166
PT3D       22.3    22.3    22.3    22.3    22.3    22.3    22.3    23.1
PT4        76.4    76.4    76.4    76.4    76.4    76.4    76.4    79.5
TT3D        921     921     921     921     921     921     921     930
TT4        1320    1320    1320    1320    1320    1320    1320    1336

PT9        13.7    13.7    13.7    13.7    13.7    13.7    13.7    14.3
PTD        19.5    19.9    20.1    20.2    20.4    20.5    20.7    21.9
TT9        2000    2000    2000    2000    2000    2000    2000    1999
TTD        3560    3000    2750    2500    2250    2000    1584     930
WAS/WAP  0.0395  0.0371  0.0360  0.0348  0.0336  0.0323  0.0301  0.0262
VENG       1976    1976    1976    1976    1976    1976    1976    1975
VDUCT      2618    2408    2308    2203    2093    1977    1765    1362
AJCOE      5.21    5.21    5.21    5.21    5.21    5.21    5.21    5.21
AJCOD      9.67    8.55    8.05    7.56    7.07    6.57    5.71    3.97

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ALT       55000   WASIZE     640   PT2/PT2P  0.870   WBL3      0.
MO         2.50   PAM        1.1   PT2        19.8   WBL4    3.00
VA KTS     1434   TAM        390   TT2         875   HPEXT     0.

MAXTHR    MAX D/H                                    MIN D/H NOT LIT

FNT       31216   26595   24470   22311   20086   17772   14723    8141
FGT       63377   58756   56639   54472   52247   49932   46883   40302
WAT         428     428     428     428     428     428     428     428
WFT       59902   46367   40931   35815   31175   26752   21491   11912
TSFC      1.919   1.743   1.672   1.605   1.552   1.505   1.460   1.463
BPR        1.74    1.74    1.74    1.74    1.74    1.74    1.74    1.71
WAT2        412     412     412     412     412     412     412     412

N1         5276    5276    5276    5276    5276    5276    5276    5333
N2         8115    8115    8115    8115    8115    8115    8115    8180
PT3D       32.8    32.8    32.8    32.8    32.8    32.8    32.8    33.7
PT4        97.6    97.6    97.6    97.6    97.6    97.6    97.6   101.9
TT3D       1035    1035    1035    1035    1035    1035    1035    1045
TT4        1419    1419    1419    1419    1419    1419    1419    1435

PT9        17.4    17.4    17.4    17.4    17.4    17.4    17.4    18.1
PTD        29.8    30.2    30.3    30.5    30.6    30.8    30.9    32.3
TT9        1998    1998    1998    1998    1998    1998    1995    1997
TTD        3560    3000    2750    2500    2250    2000    1617    1045
WAS/WAP  0.0370  0.0347  0.0336  0.0325  0.0314  0.0302  0.0287  0.0253
VENG       1975    1975    1975    1975    1975    1975    1975    1975
VDUCT      2619    2409    2308    2204    2093    1977    1820    1442
AJCOE      5.21    5.21    5.21    5.21    5.21    5.21    5.21    5.20
AJCOD      7.87    7.00    6.62    6.23    5.84    5.44    4.92    3.55

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ALT        55000   WASIZE        640   PT2/PT2P  0.846   WBL3       0.
MO          2.69   PAM           1.1   PT2        26.1   WBL4     3.00
VA KTS      1544   TAM           390   TT2         956   HPEXT      0.

MAXTHR   MAX D/H                                         MIN D/H NOT LIT

FNT        35543     29967     27374     24755     22060     19261     16463      8677
FGT        76459     70821     68249     65625     62935     60135     57337     45551
WAT          503       503       503       503       503       503       503       503
WFT        68327     52755     45819     40017     34590     29417     24667     13335
TSFC       1.920     1.769     1.674     1.616     1.569     1.527     1.498     1.537
BPR         1.73      1.73      1.73      1.73      1.73      1.73      1.73      1.71
WAT2         382       382       382       382       382       382       382       382

N1          5241      5241      5241      5241      5241      5241      5241      5301
N2          8192      8192      8192      8192      8192      8192      8192      8231
PT3D        42.0      42.0      42.0      42.0      42.0      42.0      42.0      42.9
PT4        116.0     116.0     116.0     116.0     116.0     116.0     116.0     123.6
TT3D        1117      1117      1117      1117      1117      1117      1117      1125
TT4         1492      1492      1492      1492      1492      1492      1492      1508

PT9         20.6      20.6      20.6      20.6      20.6      20.6      20.6      21.4
PTD         39.7      39.1      39.2      39.4      39.5      39.7      39.9      41.2
TT9         1997      1997      1997      1997      1997      1997      1997      1596
TTD         3560      3000      2750      2500      2250      2000      1761      1125
WAS/WAP   0.0354    0.0332    0.0322    0.0312    0.0301    0.0290    0.0278    0.0246
VENG        1974      1974      1974      1974      1974      1974      1974      1974
VDUCT       2619      2408      2308      2204      2094      1977      1858      1495
AJCDE       5.21      5.21      5.21      5.21      5.21      5.21      5.21      5.20
AJCDO       7.11      6.34      6.03      5.66      5.31      4.95      4.59      3.40

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ALT        55000   WASIZE        640   PT2/PT2P  0.962   WBL3       0.
MO          1.60   PAM           0.8   PT2         3.6   WBL4     2.00
VA KTS       916   TAM           390   TT2         590   HPEXT      0.

MAXTHR   MAX D/H                                         MIN D/H NOT LIT

FNT         9563      8512      8031      7516      7022      6487 [illegible] [illegible]
FGT        15678     14654     14167     13572     13158     12617     11162 [illegible]
WAT          127       127       127       127       127       127       127       127
WFT        21071     15657     14710     13352     11659     10165      6472      4174
TSFC       2.204     1.813     1.751     1.712     1.666     1.555     1.375     1.256
BPR         1.70      1.70      1.70      1.70      1.70      1.70      1.76      1.67
WAT2         591       591       591       591       591       591       591       591

N1          5554      5554      5554      5554      5554      5554      5554      5516
N2          7433      7433      7433      7433      7433      7433      7433      7458
PT3D         6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.7
PT4         24.3      24.3      24.3      24.3      24.3      24.3      24.3      24.7
TT3D         738       738       738       738       738       738       738       769
TT4         1152      1152      1152      1152      1152      1152      1152      1168

PT9          5.2       5.2       5.2       5.2       5.2       5.2       5.2       5.4
PTD          5.0       5.1       5.2       5.3       5.4       5.5       5.6       5.7
TT9         2008      2008      2008      2008      2008      2008      2008      2017
TTD         3560      3000      2750      2500      2250      2000      1462       744
WAS/WAP   0.0450    0.0423    0.0410    0.0396    0.0383    0.0367    0.0341    0.0248
VENG        1979      1979      1979      1979      1979      1979      1979      1979
VDUCT       2617      2407      2307      2203      2092      1975      1656      1224
AJCDE       5.21      5.21      5.21      5.21      5.21      5.21      5.21      5.21
AJCDO      14.12     12.79     11.48     10.70      9.31      8.16      7.24      4.57

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ALT        65000   WASIZE        640   PT2/PT2P  0.956   WBL3       0.
MO          1.70   PAM           0.8   PT2         3.4   WBL4     2.00
VA KTS       975   TAM           390   TT2         616   HPEXT      0.

MAXTHR   MAX D/H                                         MIN D/H NOT LIT

FNT        10403      9227      8686      8122      7563      6931      5187      3464
FGT        17524     16349     15835     15246     14564     14052     12508     10585
WAT          139       139       139       139       139       139       139       139
WFT        21979     17351     15647     13755     12175     10573      7518      4421
TSFC       2.115     1.880     1.765     1.693     1.614     1.540     1.396     1.276
BPR         1.75      1.75      1.75      1.75      1.75      1.75      1.75      1.73
WAT2         573       573       573       573       573       573       573       573

N1          5473      5473      5473      5473      5473      5473      5473      5508
N2          7937      7937      7937      7937      7937      7937      7937      7947
PT3D         7.0       7.0       7.0       7.0       7.0       7.0       7.0       7.6
PT4         30.5      30.5      30.5      30.5      30.5      30.5      30.5      31.9
TT3D         762       762       762       762       762       762       762       772
TT4         1175      1175      1175      1175      1175      1175      1175      1190

PT9          5.6       5.6       5.6       5.6       5.6       5.6       5.6       5.8
PTD          5.5       5.7       5.8       5.9       6.0       6.1       6.2       6.9
TT9         2008      2008      2008      2008      2008      2008      2008      2008
TTD         3560      3000      2750      2500      2250      2000      1426       772
WAS/WAP   0.0441    0.0414    0.0402    0.0388    0.0375    0.0361    0.0326    0.0282
VENG        1979      1979      1979      1979      1979      1979      1979      1979
VDUCT       2617      2407      2307      2203      2093      1976      1678      1242
AJCDE       5.21      5.21      5.21      5.21      5.21      5.21      5.21      5.21
AJCDO      13.75     12.15     11.17     10.59      9.82      9.06      7.32      4.65

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ALT        55000   WASIZE        640   PT2/PT2P  0.965   WBL3       0.
MO          1.80   PAM           0.8   PT2         4.5   WBL4     2.00
VA KTS      1032   TAM           390   TT2         643   HPEXT      0.

MAXTHR   MAX D/H                                         MIN D/H NOT LIT

FNT        11346     10051      9433      8747      8137      7443      5610      3610
FGT        19514     18281     17663     17027     15967     15371     14360     11893
WAT          152       152       152       152       152       152       152       152
WFT        23395     18469     16497     14611     12436     11320      8114      4975
TSFC       2.054     1.840     1.749     1.661     1.590     1.521     1.397     1.390
BPR         1.79      1.79      1.77      1.79      1.79      1.79      1.77      1.77
WAT2         555       555       555       555       555       555       555       555

N1          5423      5423      5423      5423      5423      5423      5423      5457
N2          7963      7963      7963      7963      7963      7963      7963      8029
PT3D         7.9       7.9       7.9       7.9       7.9       7.9       7.9       8.4
PT4         33.0      33.0      33.0      33.0      33.0      33.0      33.0      34.4
TT3D         788       788       788       788       788       788       788       797
TT4         1199      1199      1199      1199      1199      1199      1199      1215

PT9          6.0       6.0       6.0       6.0       6.0       6.0       6.0       6.2
PTD          6.3       6.5       6.6       6.7       6.8       6.9       7.1       7.6
TT9         2008      2008      2008      2008      2008      2008      2008      2017
TTD         3560      3000      2750      2500      2250      2000      1462       747
WAS/WAP   0.0432    0.0406    0.0393    0.0380    0.0367    0.0353    0.0321    0.0277
VENG        1979      1979      1979      1979      1979      1979      1979      1979
VDUCT       2617      2408      2306      2203      2093      1976      1676      1262
AJCDE       5.21      5.21      5.21      5.21      5.21      5.21      5.21      5.21
AJCDO      13.35     11.66     10.72     10.16      9.45      8.74      7.19      4.62

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ALT        65000   WASIZE        640   PT2/PT2P  0.925   WBL3       0.
MO          2.00   PAM           0.9   PT2         6.0   WBL4     3.00
VA KTS      1147   TAM           390   TT2         702   HPEXT      0.

MAXTHR   MAX D/H                                         MIN D/H NOT LIT

FNT        13336     11635     10851     10046      9211      8335      6487      3778
FGT        24178     22477     21692     20587     20052     19177     17328     14619
WAT          180       180       180       180       180       180       180       180
WFT        27216     21337     18976     16762     14761     12837      9356      5251
TSFC       2.041     1.834     1.749     1.669     1.603     1.540     1.442     1.390
BPR         1.83      1.83      1.83      1.83      1.83      1.83      1.83      1.81
WAT2         515       515       515       515       515       515       515       515

N1          5361      5361      5361      5361      5361      5361      5361      5395
N2          7970      7970      7970      7970      7970      7970      7970      8038
PT3D        10.0      10.0      10.0      10.0      10.0      10.0      10.0      10.4
PT4         38.2      38.2      38.2      38.2      38.2      38.2      38.2      39.8
TT3D         843       843       843       843       843       843       843       852
TT4         1247      1247      1247      1247      1247      1247      1247      1263

PT9          6.9       6.9       6.9       6.9       6.9       6.9       6.9       7.2
PTD          8.2       8.4       8.5       8.6       8.7       8.8       9.0       9.7
TT9         2007      2007      2007      2007      2007      2007      2007      2006
TTD         3560      3000      2750      2500      2250      2000      1512       852
WAS/WAP   0.0414    0.0389    0.0377    0.0364    0.0351    0.0338    0.0310    0.0268
VENG        1979      1979      1979      1979      1979      1979      1979      1979
VDUCT       2617      2408      2308      2203      2092      1976      1726      1304
AJCDE       5.21      5.21      5.21      5.21      5.21      5.21      5.21      5.21
AJCDO      12.33     10.81     10.14      9.47      8.81      8.16      6.86      4.56

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ALT        65000   WASIZE        640   PT2/PT2P  0.904   WBL3       0.
MO          2.20   PAM           0.8   PT2         8.0   WBL4     3.00
VA KTS      1262   TAM           390   TT2         767   HPEXT      0.

MAXTHR   MAX D/H                                         MIN D/H NOT LIT

FNT        15709     13560     12576     11561     10515      9422      7629      4166
FGT        29729     27581     26596     25581     24535     23443     21448     18186
WAT          212       212       212       212       212       212       212       212
WFT        31258     24400     22637     19330     16674     14415     10912      5987
TSFC       1.992     1.799     1.721     1.646     1.586     1.530     1.456     1.437
BPR         1.85      1.85      1.85      1.85      1.85      1.85      1.85      1.82
WAT2         474       474       474       474       474       474       474       474

N1          5304      5304      5304      5304      5304      5304      5304      5345
N2          7990      7990      7990      7990      7990      7990      7990      8068
PT3D        13.2      13.2      13.2      13.2      13.2      13.2      13.2      13.7
PT4         45.2      45.2      45.2      45.2      45.2      45.2      45.2      47.3
TT3D         910       910       910       910       910       910       910       919
TT4         1308      1308      1308      1308      1308      1308      1308      1324

PT9          8.1       8.1       8.1       8.1       8.1       8.1       8.1       8.5
PTD         11.4      11.5      11.6      11.7      11.8      11.9      12.1      12.9
TT9         2006      2006      2006      2006      2006      2006      2006      2005
TTD         3560      3000      2750      2500      2250      2000      1573       519
WAS/WAP   0.0397    0.0372    0.0360    0.0348    0.0336    0.0323    0.0300    0.0261
VENG        1979      1979      1979      1979      1979      1979      1979      1979
VDUCT       2618      2408      2308      2203      2091      1977      1759      1356
AJCDE       5.20      5.20      5.20      5.20      5.20      5.20      5.20      5.21
AJCDO      10.55      9.31      8.75      8.20      7.65      7.11      6.15      4.21

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ALT        65000    WASIZE       640   PT2/PT2P  0.870   WBL3        0.
MO          2.50    PAM          0.8   PT2        12.3   WBL4     1.00
VA KTS      1434    TAM          390   TT2         875   HPEXT       0.

MAXTHR    MAX D/H                                        MIN D/H NOT LIT

FNT        19142    15109    14963    13632    12244    10800     8846     4301
FGT        39124    36245    34926    34575    32187    30742    28726    24443
WAT          265      265      265      265      265      265      265      265
WFT        37149    28836    25485    22276    19367    16588    13201     7174
TSFC       1.949    1.772    1.701    1.634    1.582    1.536    1.493    1.526
BPR         1.80     1.80     1.80     1.80     1.80     1.80     1.80     1.78
WAT2         412      412      412      412      412      412      412      412

N1          5232     5232     5232     5232     5232     5232     5232     5278
N2          8048     8048     8048     8048     8048     8048     8046     8095
PT3D        19.7     19.7     19.7     19.7     19.7     19.7     19.7     20.3
PT4         58.4     58.4     58.4     58.4     58.4     58.4     58.4     60.9
TT3D        1026     1026     1026     1026     1026     1026     1026     1035
TT4         1409     1409     1409     1409     1409     1409     1409     1424

PT9         10.5     10.5     10.5     10.5     10.5     10.5     10.5     10.9
PTD         17.7     18.0     18.1     18.2     18.3     18.4     18.5     19.3
TT9         2006     2006     2006     2006     2006     2006     2006     2003
TTD         3560     3000     2750     2500     2250     2000     1677     1035
WAS/WAP   0.0371   0.0364   0.0337   0.0326   0.0314   0.0303   0.0287   0.0252
VENG        1978     1978     1978     1978     1978     1978     1978     1977
VDUCT       2618     2439     2308     2234     2093     1977     1816     1435
AJCDE       5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.20
AJCDD       8.21     7.37     6.96     6.55     6.14     5.72     5.15     3.71

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ALT        65000    WASIZE       640   PT2/PT2P  0.846   WBL3        0.
MO          2.73    PAM          0.4   PT2        16.3   WBL4     1.00
VA KTS      1564    TAM          395   TT2         954   HPEXT       0.

MAXTHR    MAX D/H                                        MIN D/H NOT LIT

FNT        21924    18412    16406    15171    13494    11761     9917     5056
FGT        47271    43759    42152    40517    39538    37687    35263    30402
WAT          312      312      312      312      312      312      312      312
WFT        42651    33573    28536    24896    21496    18252    15166     8379
TSFC       1.945    1.763    1.698    1.641    1.574    1.555    1.526    1.594
BPR         1.73     1.73     1.74     1.75     1.73     1.74     1.73     1.77
WAT2         382      382      382      382      382      382      382      382

N1          5189     5189     5189     5189     5189     5189     5183     5244
N2          8141     8141     8141     8141     8141     8141     8141     8178
PT3D        25.4     25.4     25.4     25.4     25.4     25.4     25.4     26.0
PT4         63.7     63.7     63.7     63.7     63.7     63.7     63.7     67.5
TT3D        1109     1109     1109     1109     1109     1109     1109     1117
TT4         1482     1482     1482     1482     1482     1482     1482     1498

PT9         12.4     12.4     12.4     12.4     12.4     12.4     12.4     12.9
PTD         23.2     23.5     23.6     23.7     23.8     23.9     24.0     24.3
TT9         2003     2003     2003     2003     2003     2003     2003     2001
TTD         3560     3000     2750     2500     2250     2000     1753     1117
WAS/WAP   0.0355   0.0333   0.0321   0.0312   0.0301   0.0290   0.0279   0.0265
VENG        1977     1977     1977     1977     1977     1977     1977     1977
VDUCT       2618     2408     2308     2204     2093     1977     1856     1489
AJCDE       5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.20
AJCDD       7.42     6.62     6.16     5.90     5.53     5.16     4.77     3.52

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ALT        75000    WASIZE       640   PT2/PT2P  0.925   WBL3        0.
MO          2.00    PAM          0.5   PT2         3.7   WBL4     1.50
VA KTS      1154    TAM          395   TT2         711   HPEXT       0.

MAXTHR    MAX D/H                                        MIN D/H NOT LIT

FNT         8139     7268     6579     6081     5562     5017     3752     2194
FGT        14883    13812    13324    12826    12306    11762    10497     8939
WAT          111      111      111      111      111      111      111      111
WFT        18665    14292    12622    11106     9689     8360     5751     3149
TSFC       2.293    2.022    1.918    1.826    1.742    1.666    1.533    1.435
BPR         1.96     1.96     1.96     1.96     1.96     1.96     1.96     1.93
WAT2         515      515      515      515      515      515      515      515

N1          5360     5360     5360     5360     5360     5360     5360     5400
N2          7874     7874     7874     7874     7874     7874     7874     7952
PT3D         5.8      5.8      5.8      5.8      5.8      5.8      5.8      6.1
PT4         22.8     22.8     22.8     22.8     22.8     22.8     22.8     23.8
TT3D         843      843      843      843      843      843      843      852
TT4         1256     1256     1256     1256     1256     1256     1256     1271

PT9          4.1      4.1      4.1      4.1      4.1      4.1      4.1      4.3
PTD          4.5      4.7      4.7      4.8      4.9      5.0      5.1      5.6
TT9         2013     2013     2013     2013     2013     2013     2013     2011
TTD         3560     3000     2750     2500     2250     2000     1466      852
WAS/WAP   0.0414   0.0387   0.0375   0.0363   0.0349   0.0336   0.0305   0.0265
VENG        1982     1982     1982     1982     1982     1982     1982     1981
VDUCT       2617     2497     2307     2203     2093     1976     1700     1304
AJCDE       5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.21
AJCDD      14.22    12.35    11.54    10.74     9.96     9.19     7.54     5.00

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ALT        75000    WASIZE       640   PT2/PT2P  0.906   WBL3        0.
MO          2.20    PAM          0.5   PT2         5.0   WBL4     2.00
VA KTS      1273    TAM          395   TT2         776   HPEXT       0.

MAXTHR    MAX D/H                                        MIN D/H NOT LIT

FNT         9678     8172     7566     6935     6266     5507     4358     2324
FGT        17221    16895    16287    15558    15004    14330    13181    11057
WAT          131      131      131      131      131      131      131      131
WFT        17553    15141    13441    11781    10249     8867     5576     3511
TSFC       2.059    1.859    1.777    1.700    1.638    1.582    1.403    1.512
BPR         1.79     1.79     1.79     1.79     1.79     1.79     1.79     1.75
WAT2         474      474      474      474      474      474      474      474

N1          5262     5262     5262     5262     5262     5262     5262     5326
N2          7873     7873     7873     7873     7873     7873     7873     7944
PT3D         7.6      7.6      7.6      7.6      7.6      7.6      7.6      8.0
PT4         26.5     26.5     26.5     26.5     26.5     26.5     26.5     27.7
TT3D         938      938      938      938      938      938      938      917
TT4         1310     1310     1310     1310     1310     1310     1310     1325

PT9          4.8      4.8      4.8      4.8      4.8      4.8      4.8      5.0
PTD          6.3      6.5      6.6      6.6      6.7      6.8      6.9      7.4
TT9         2012     2012     2012     2012     2012     2012     2012     2011
TTD         3550     3000     2750     2500     2250     2000     1571      917
WAS/WAP   0.0396   0.0371   0.0359   0.0347   0.0336   0.0321   0.0279   0.0258
VENG        1981     1981     1981     1981     1981     1981     1981     1981
VDUCT       2519     2408     2304     2203     2093     1977     1758     1352
AJCDE       5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDD      11.91    10.66     9.80     9.17     8.55     7.73     6.63     4.64

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ALT        75000    WASIZE       640   PT2/PT2P  0.870   WBL3        0.
MO          2.50    PAM          0.5   PT2         7.6   WBL4     2.00
VA KTS      1443    TAM          395   TT2         886   HPEXT       0.

MAXTHR    MAX D/H                                        MIN D/H NOT LIT

FNT        11725     9931     9108     8264     7397     6495     5276     2674
FGT        24133    22319    21516    20672    19805    18903    17684    15047
WAT          164      164      164      164      164      164      164      164
WFT        23275    17429    15781    13761    11929    10180     8056     4245
TSFC       1.985    1.805    1.733    1.655    1.613    1.567    1.527    1.588
BPR         1.90     1.90     1.90     1.90     1.90     1.90     1.90     1.88
WAT2         412      412      412      412      412      412      412      412

N1          5214     5214     5214     5214     5214     5214     5214     5254
N2          7991     7991     7991     7991     7991     7991     7991     8027
PT3D        11.8     11.8     11.8     11.8     11.8     11.8     11.8     12.1
PT4         34.7     34.7     34.7     34.7     34.7     34.7     34.7     36.1
TT3D        1028     1028     1028     1028     1028     1028     1028     1035
TT4         1413     1413     1413     1413     1413     1413     1413     1428

PT9          6.2      6.2      6.2      6.2      6.2      6.2      6.2      6.5
PTD         10.4     10.6     10.7     10.7     10.8     10.9     10.9     11.4
TT9         2010     2010     2010     2010     2010     2010     2010     2009
TTD         3550     3000     2750     2500     2250     2000     1680     1035
WAS/WAP   0.0370   0.0346   0.0336   0.0324   0.0313   0.0301   0.0285   0.0249
VENG        1980     1980     1980     1980     1980     1980     1980     1980
VDUCT       2518     2408     2309     2204     2093     1977     1615     1435
AJCDE       5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDD       8.57     7.86     7.42     6.98     6.54     6.08     5.48     3.95

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ALT        75000    WASIZE       640   PT2/PT2P  0.866   WBL3        0.
MO          2.70    PAM          0.5   PT2        10.1   WBL4     3.00
VA KTS      1559    TAM          395   TT2         966   HPEXT       0.

MAXTHR    MAX D/H                                        MIN D/H NOT LIT

FNT        13745    11090    10086     9064     8012     6518     5783     2724
FGT        29055    26860    25856    24835    23782    22689    21553    18495
WAT          193      193      193      193      193      193      193      193
WFT        26517    20184    17641    15347    13205    11160     9216     4737
TSFC       1.998    1.820    1.749    1.693    1.649    1.613    1.594    1.739
BPR         1.89     1.89     1.89     1.89     1.89     1.89     1.89     1.87
WAT2         382      382      382      382      382      382      382      382

N1          5130     5130     5130     5130     5130     5130     5130     5163
N2          8087     8087     8087     8087     8087     8087     8087     8120
PT3D        15.0     15.0     15.0     15.0     15.0     15.0     15.0     15.4
PT4         40.7     40.7     40.7     40.7     40.7     40.7     40.7     42.4
TT3D        1107     1107     1107     1107     1107     1107     1107     1115
TT4         1480     1480     1480     1480     1480     1480     1480     1496

PT9          7.3      7.3      7.3      7.3      7.3      7.3      7.3      7.5
PTD         13.6     13.8     13.9     13.9     14.0     14.0     14.1     14.7
TT9         2009     2009     2009     2009     2009     2009     2009     2007
TTD         3560     3000     2750     2500     2250     2000     1752     1119
WAS/WAP   0.0354   0.0332   0.0321   0.0311   0.0300   0.0288   0.0276   0.0243
VENG        1980     1980     1980     1980     1980     1980     1980     1980
VDUCT       2618     2408     2308     2204     2093     1977     1856     1484
AJCDE       5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.21
AJCDD       7.93     7.11     6.72     6.33     5.93     5.53     5.11     3.76

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DOWNGRADED AT 3 YEAR INTERVALS;
DECLASSIFIED AFTER 12 YEARS.
DOD DIR 5200.10

ALT	55000	WASIZE	640	PT2/PT2P	0.994	WBL3	0.
MO	2.20	PAM	1.3	PT2	12.9	WBL4	1.00
VA KTS	1262	TAM	390	TT2	767	HPEXT	0.

MAXTHR	MAX D/H						MIN D/H	NOT LIT
FNT	25696	22668	20767	19218	17520	15748	12588	7288
FGT	48759	45263	43662	42013	40319	38543	35382	30082
WAT	344	344	344	344	344	344	344	344
WFT	50543	39686	35090	30867	27083	23457	17784	10003
TSFC	1.967	1.751	1.690	1.606	1.546	1.490	1.413	1.373
BPR	1.78	1.78	1.79	1.79	1.79	1.78	1.78	1.76
WAT2	478	479	478	479	478	478	478	478
N1	5363	5363	5363	5363	5363	5363	5363	5404
N2	8106	8106	8106	8106	8106	8106	8106	8166
PT3D	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.9
PT4	76.5	76.5	76.5	76.5	76.5	76.5	76.5	79.1
TT3D	920	920	920	920	920	920	920	928
TT4	1321	1321	1321	1321	1321	1321	1321	1337
PT9	13.8	13.9	13.8	13.8	13.9	13.8	13.8	14.3
PTD	19.3	19.6	19.8	20.0	20.1	20.3	20.5	21.7
TT9	2000	2000	2000	2000	2000	2000	2000	1999
TTD	3560	3000	2750	2500	2250	2000	1582	528
WAS/WAP	0.0386	0.0371	0.0360	0.0348	0.0336	0.0323	0.0301	0.0262
VENG	1976	1976	1976	1976	1976	1976	1976	1973
VDUCT	2618	2408	2308	2203	2093	1977	1764	1360
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
AJCDD	9.30	8.75	8.24	7.74	7.23	6.72	5.83	4.05

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ALT	55000	WASIZE	640	PT2/PT2P	0.870	WBL3	0.
MO	2.50	PAM	1.3	PT2	19.8	WBL4	1.00
VA KTS	1434	TAM	390	TT2	875	HPEXT	0.

MAXTHR	MAX D/H						MIN D/H	NOT LIT
FNT	32900	27910	25666	23368	21006	18568	15204	8147
FGT	66522	61631	59388	57085	54724	52269	48326	41864
WAT	448	448	448	448	449	448	448	448
WFT	63569	49061	43244	37770	32808	28068	22270	11976
TSFC	1.937	1.758	1.685	1.616	1.562	1.513	1.465	1.471
BPR	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.82
WAT2	432	432	432	432	432	432	432	432
N1	5349	5349	5349	5349	5349	5349	5349	5398
N2	8116	8116	8116	8116	8116	8116	8116	8180
PT3D	31.8	31.8	31.8	31.8	31.8	31.8	31.8	32.7
PT4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	102.6
TT3D	1025	1025	1025	1025	1025	1025	1025	1033
TT4	1423	1423	1423	1423	1423	1423	1423	1438
PT9	17.6	17.6	17.6	17.6	17.6	17.6	17.6	18.3
PTD	28.2	28.7	28.9	29.1	29.2	29.4	29.6	31.0
TT9	1997	1997	1997	1997	1997	1997	1997	1996
TTD	3560	3000	2750	2500	2250	2000	1677	1033
WAS/WAP	0.0371	0.0348	0.0337	0.0326	0.0314	0.0302	0.0286	0.0251
VENG	1975	1975	1975	1975	1975	1975	1975	1974
VDUCT	2619	2409	2308	2204	2093	1977	1815	1434
AJCDE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.21
AJCDD	8.39	7.58	7.44	6.99	6.55	6.09	5.49	3.96

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ALT	55000	WASIZE	640	PT2/PT2P	0.846	WBL3	0.
MO	2.70	PAM	1.3	PT2	26.3	WBL4	1.00
VA KTS	1548	TAM	390	TT2	954	HPEXT	0.

MAXTHR	MAX D/H						MIN D/H	NOT LIT
FNT	37856	31857	29040	26223	23122	20307	17144	8675
FGT	81113	75066	72297	69490	66575	63564	59401	51931
WAT	533	533	533	533	533	533	533	533
WFT	73364	55920	48961	42646	36482	31150	25757	13423
TSFC	1.938	1.755	1.686	1.626	1.578	1.534	1.502	1.547
BPR	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.85
WAT2	404	404	404	404	404	404	404	404
N1	5328	5328	5328	5328	5328	5328	5328	5370
N2	8200	8200	8200	8200	8200	8200	8200	8237
PT3D	40.6	40.6	40.6	40.6	40.6	40.6	40.6	41.6
PT4	117.4	117.4	117.4	117.4	117.4	117.4	117.4	121.8
TT3D	1104	1104	1104	1104	1104	1104	1104	1112
TT4	1497	1497	1497	1497	1497	1497	1497	1512
PT9	20.8	20.8	20.8	20.8	20.8	20.8	20.9	21.5
PTD	36.6	37.1	37.3	37.5	37.7	37.8	38.0	39.5
TT9	1995	1995	1995	1995	1995	1995	1995	1994
TTD	3560	3000	2750	2500	2250	2000	1749	1112
WAS/WAP	0.0355	0.0333	0.0323	0.0312	0.0301	0.0289	0.0277	0.0244
VENG	1974	1974	1974	1974	1974	1974	1974	1973
VDUCT	2618	2408	2308	2204	2093	1977	1852	1486
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
AJCDD	8.15	7.24	6.84	6.44	6.04	5.63	5.20	3.83

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ALT	65000	WASIZE	640	PT2/PT2P	0.904	WBL3	0.
MO	2.20	PAM	0.8	PT2	8.0	WBL4	1.00
VA KTS	1262	TAM	390	TT2	767	HPEXT	0.

MAXTHR	MAX D/H						MIN D/H	NOT LIT
FNT	15915	13651	12659	11636	10582	9480	7461	4168
FGT	29950	27798	26794	25771	24717	23615	21596	18303
WAT	214	214	214	214	214	214	214	214
WFT	31597	24631	21837	19201	16819	14535	10878	5998
TSFC	1.998	1.804	1.725	1.650	1.589	1.533	1.458	1.439
BPR	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.83
WAT2	478	478	478	478	478	478	478	478
N1	5321	5321	5321	5321	5321	5321	5321	5361
N2	7991	7991	7991	7991	7991	7991	7991	8068
PT3D	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.6
PT4	45.3	45.3	45.3	45.3	45.3	45.3	45.3	47.4
TT3D	908	908	908	908	908	908	908	918
TT4	1309	1309	1309	1309	1309	1309	1309	1325
PT9	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.5
PTD	11.1	11.3	11.5	11.6	11.7	11.8	11.9	12.6
TT9	2006	2006	2006	2006	2006	2006	2006	2005
TTD	3560	3000	2750	2500	2250	2000	1572	918
WAS/WAP	0.0397	0.0372	0.0360	0.0348	0.0336	0.0323	0.0300	0.0261
VENG	1979	1979	1979	1979	1979	1979	1979	1978
VDUCT	2618	2408	2308	2203	2093	1977	1758	1353
AJCDE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.21
AJCDD	10.83	9.54	8.97	8.40	7.85	7.28	6.29	4.30

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ALT	65000	WASIZE	640	PT2/PT2P	0.870	WBL3	0.
MO	2.50	PAM	0.8	PT2	12.3	WBL4	1.00
VA KTS	1434	TAM	390	TT2	875	HPEXT	0.

MAXTHR	MAX D/H						MIN D/H	NOT LIT
FNT	20134	17095	15700	14271	12801	11270	9138	4709
FGT	41045	38006	36611	35181	33711	32180	30049	25620
WAT	278	278	278	278	278	278	278	278
WFT	39623	30549	26906	23478	20370	17400	13689	7228
TSFC	1.968	1.787	1.714	1.645	1.591	1.544	1.498	1.535
BPR	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.88
WAT2	432	432	432	432	432	432	432	432
N1	5318	5318	5318	5318	5318	5318	5318	5354
N2	8052	8052	8052	8052	8052	8052	8052	8096
PT3D	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.7
PT4	59.1	59.1	59.1	59.1	59.1	59.1	59.1	61.5
TT3D	1017	1017	1017	1017	1017	1017	1017	1025
TT4	1413	1413	1413	1413	1413	1413	1413	1428
PT9	10.6	10.6	10.6	10.6	10.6	10.6	10.6	11.0
PTD	16.8	17.1	17.2	17.3	17.4	17.5	17.7	18.6
TT9	2002	2002	2002	2002	2002	2002	2002	2002
TTD	3560	3000	2750	2500	2250	2000	1670	1025
WAS/WAP	0.0372	0.0348	0.0338	0.0326	0.0315	0.0302	0.0286	0.0250
VENG	1977	1977	1977	1977	1977	1977	1977	1977
VDUCT	2618	2408	2308	2203	2093	1977	1811	1428
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
AJCDD	9.36	8.28	7.81	7.34	6.87	6.39	5.74	4.11

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ALT	65000	WASIZE	640	PT2/PT2P	0.846	WBL3	0.
MO	2.70	PAM	0.8	PT2	16.3	WBL4	1.00
VA KTS	1548	TAM	390	TT2	954	HPEXT	0.

MAXTHR	MAX D/H						MIN D/H	NOT LIT
FNT	23308	19543	17821	16066	14259	12380	10355	5063
FGT	50131	46367	44644	42889	41082	39203	37178	31886
WAT	330	330	330	330	330	330	330	330
WFT	45748	34828	30460	26520	22838	19325	15865	8150
TSFC	1.963	1.782	1.709	1.651	1.602	1.561	1.532	1.610
BPR	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.89
WAT2	404	404	404	404	404	404	404	404
N1	5294	5294	5294	5294	5294	5294	5294	5336
N2	8148	8148	8148	8148	8148	8148	8148	8184
PT3D	24.6	24.6	24.6	24.6	24.6	24.6	24.6	25.1
PT4	70.7	70.7	70.7	70.7	70.7	70.7	70.7	73.4
TT3D	1097	1097	1097	1097	1097	1097	1097	1104
TT4	1488	1488	1488	1488	1488	1488	1488	1503
PT9	12.6	12.6	12.6	12.6	12.6	12.6	12.6	13.0
PTD	21.9	22.3	22.4	22.5	22.6	22.8	22.9	23.8
TT9	2001	2001	2001	2001	2001	2001	2001	2000
TTD	3560	3000	2750	2500	2250	2000	1743	1105
WAS/WAP	0.0356	0.0334	0.0323	0.0312	0.0301	0.0290	0.0277	0.0244
VENG	1976	1976	1976	1976	1976	1976	1976	1976
VDUCT	2618	2408	2308	2204	2093	1977	1849	1481
AJCDE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.21
AJCDD	8.51	7.55	7.13	6.71	6.29	5.86	5.39	3.96

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ALT       75000     WASIZE      640   PT2/PT2P  0.906   WBL3        0.
MO         2.20     PAN         0.5   PT2         5.0   WBL4      2.00
VA KTS     1273     TAM         395   TT2         776   HPEXT       0.

MAXTHR   MAX D/H                                         MIN D/H NOT LIT

FNT        8549      9216      7604      5372      6319      5615      4174      2322
FGT       1[illegible]343     17310     16394     15766     15113     14529     13168     11116
WAT         132       132       132       132       132       132       132       132
NFT       1[illegible]761     1[illegible]132     11563     11895     11397      6741      6610      3520
TSFC      2.067     1.866     1.764     1.706     1.644     1.587     1.515     1.516
BPR       [illegible]     2.00      2.00      2.00      2.00      2.00      2.00      1.76
WAT2        478       478       478       478       478       478       478       478

N1         5299      5299      5299      5299      5299      5299      5299      5366
N2         7675      7675      7675      7675      7675      7675      7675      7969
PT3D        7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.9
PT4        26.6      26.6      26.6      26.6      26.6      26.6      26.6      27.8
TT3D        937       937       937       937       937       937       937       915
TT4        1311      1311      1311      1311      1311      1311      1311      1327

PT9         6.8       6.8       6.8       6.8       6.8       6.8       6.8       5.0
PTD         6.2       6.4       6.5       6.5       6.6       6.7       6.8       7.3
TT9        2011      2011      2011      2011      2011      2011      2011      2010
TTD        1560      3030      2750      2530      2250      2005      1770       915
[illegible]
[illegible]
[illegible]
[illegible]

                    [illegible] 26, 1966
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ALT       75000     WASIZE      560   PT2/PT2P  0.87[illegible]   WBL3        0.
MO        [illegible]     PAN         0.5   PT2         7.6   WBL4      [illegible]
VA KTS     1455     TAM         395   TT2         86[illegible]   HPEXT       0.

MAXTHR   MAX D/H                                         MIN D/H NOT LIT

FNT       1[illegible]245     1[illegible]336      9524      8618      7722      6768      [illegible]      [illegible]
FGT       2[illegible]235     23577     22537     21659     20732     [illegible]     [illegible]     [illegible]
WAT         172       172       172       172       172       172       172       172
NFT       2[illegible]556     1[illegible]769     16618     14532     12362     1[illegible]574      [illegible]      [illegible]
TSFC      2.067     1.923     1.768     1.674     1.625     1.578     1.515     1.616
BPR       2.00      2.00      2.00      2.00      2.00      2.00      [illegible]      1.78
WAT2        432       432       432       432       432       432       432       432

N1         5238      5238      5238      5238      5238      5238      [illegible]      [illegible]
N2         7738      7738      7738      7738      7738      7738      7738      [illegible]
PT3D       11.6      11.6      11.6      11.6      11.6      11.6      11.6      11.7
PT4        35.2      35.2      35.2      35.2      35.2      35.2      35.2      [illegible]
TT3D       1019      1019      1019      1019      1019      1019      1019      1026
TT4        1618      1618      1618      1618      1618      1618      1618      [illegible]

PT9         6.3       6.3       6.3       6.3       6.3       6.3       6.3       6.5
PTD         9.8      10.0      10.1      10.2      10.3      10.3      10.4      11.0
TT9        2038      2038      2038      2038      2038      2038      2038      2037
TTD        1560      3020      2750      2500      2250      2000      1771      1026
WAS/WAP   [illegible]
[illegible]
[illegible]
[illegible]
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ALT       75000     WASIZE      640   PT2/PT2P  0.846   WBL3        0.
MO         2.70     PAN         0.5   PT2        10.1   WBL4      3.00
VA KTS     1558     TAM         395   TT2         966   HPEXT       0.

MAXTHR   MAX D/H                                         MIN D/H NOT LIT

FNT       14097     11755     10682      9589      8462      7290      6026      2725
FGT       30717     28445     27372     26275     25152     23980     22716     19415
WAT         204       204       204       204       204       204       204       204
NFT       28431     21564     18817     16335     14024     11815      9638      4789
TSFC      2.017     1.836     1.762     1.704     1.657     1.621     1.599     1.757
BPR        2.01      2.01      2.01      2.01      2.01      2.01      2.01      1.99
_WAT2       404       404       404       404       404       404       404       404

N1         5246      5246      5246      5246      5246      5246      5246      5295
N2         8098      8098      8098      8098      8098      8098      8098      8129
PT3D       14.5      14.5      14.5      14.5      14.5      14.5      14.5      14.9
PT4        41.4      41.4      41.4      41.4      41.4      41.4      41.4      43.1
TT3D       1097      1097      1097      1097      1097      1097      1097      1104
TT4        1486      1486      1486      1486      1486      1486      1486      1502

PT9         7.4       7.4       7.4       7.4       7.4       7.4       7.4       7.7
PTC        12.8      13.0      13.1      13.2      13.3      13.3      13.4      14.0
TT9        2006      2006      2006      2006      2006      2006      2006      2005
TTD        1550      3000      2750      2500      2250      2000      1743      1104
WAS/WAP  0.0355    0.0333    0.0322    0.0311    0.0300    0.0288    0.0275    0.0241
VENG       1979      1979      1979      1979      1979      1979      1979      1979
VDUCT      2618      2408      2309      2204      2093      1977      1849      1481
AJCDE      5.21      5.21      5.21      5.21      5.21      5.21      5.21      5.21
AJCDD      9.18      8.13      7.67      7.21      6.75      6.28      5.73      4.23

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ALT        55000   WASIZE       640   PT2/PT2P  0.904    WBL3         0.
MO          2.20   RAM          1.3   PT2        12.9    WBL4       3.00
VA KTS      1262   TAM          430   TT2         761    HPEXT        0.

MAXTHR    MAX D/H                                         MIN D/H NOT LIT

FNT        25677   22255   20698   18875   17216   15685   12611    7277
FGT        47915   44191   42726   41212   39553   37822   35768   29614
WAT          337     337     337     337     337     337     337     337
WFT        43218   38552   34244   30193   26501   22981   17523    9970
TSFC       1.935   1.769   1.671   1.555   1.539   1.466   1.410   1.370
BPR         1.74    1.74    1.74    1.74    1.74    1.74    1.74    1.72
WAT2         469     469     468     469     468     468     469     468

N1          5328    5328    5328    5328    5328    5328    5328    5376
N2          8107    8107    8107    8107    8107    8107    8107    8166
PT30        22.5    22.5    22.5    22.5    22.5    22.5    22.5    23.3
PT4         76.1    76.1    76.1    76.1    76.1    76.1    76.1    79.3
TT30         924     924     924     924     924     924     924     933
TT4         1317    1317    1319    1317    1315    1317    1319    1335

PT9         13.7    13.7    13.7    13.7    13.7    13.7    13.7    14.2
PTD         19.9    20.2    20.4    20.5    20.7    20.8    21.0    22.1
TT9         2001    2001    2001    2001    2001    2001    2001    1999
TTD         3560    3000    2750    2500    2250    2000 [illegible]   933
WAS/WAP   0.0385  0.0371  0.0359  0.0349  0.0336  0.0323  0.0301  0.0263
VENG        1976    1976    1976    1976    1976    1976    1976    1975
VDUCT       2618    2409    2309    2203    2091    1977    1766    1364
AJCDE       5.20    5.20    5.20    5.20    5.20    5.20    5.20    5.21
AJCDD       9.34    8.27    7.73    7.32    6.85    6.37    5.54    3.86

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ALT        55000   WASIZE       640   PT2/PT2P  0.870    WBL3         0.
MO          2.50   RAM          1.3   PT2        19.8    WBL4       3.00
VA KTS      1434   TAM          390   TT2         875    HPEXT        0.

MAXTHR    MAX D/H                                         MIN D/H NOT LIT

FNT        27953   25553   23531   21474   19364   17165   14367    8107
FGT        59027   55527   54505   52652   50138   48133   45322   39136
WAT          412     412     412     412     412     412     412     412
WFT        57372   44289   39396   34315   29455   25752   20904   11994
TSFC       1.936   1.733   1.657   1.598   1.546   1.500   1.457   1.457
BPR         1.65    1.65    1.65    1.65    1.65    1.65    1.65    1.62
WAT2         397     397     397     397     397     397     397     397

N1          5265    5265    5265    5265    5265    5265    5265    5327
N2          8111    8111    8111    8111    8111    8111    8111    8175
PT30        33.6    33.6    33.6    33.6    33.6    33.6    33.5    34.8
PT4         97.1    97.1    97.1    97.1    97.1    97.1    97.1   101.7
TT30        1044    1044    1044    1044    1044    1044    1044    1055
TT4         1417    1417    1417    1417    1417    1417    1417    1435

PT9         17.3    17.3    17.3    17.3    17.3    17.3    17.3    18.1
PTD         31.3    31.3    31.4    31.5    31.7    31.8    31.9    33.3
TT9         1999    1999    1999    1999    1999    1999    1999    1997
TTD         3550    3000    2750    2500    2250    2000    1695    1055
WAS/WAP   0.0367  0.0346  0.0336  0.0325  0.0314  0.0302  0.0288  0.0254
VENG        1976    1976    1976    1976    1976    1976    1976    1975
VDUCT       2619    2409    2309    2204    2093    1977    1826    1468
AJCDE       5.20    5.20    5.20    5.20    5.20    5.20    5.20    5.20
AJCDD       7.16    6.39    6.04    5.69    5.36    4.98    4.52    3.26

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ALT        55000   WASIZE       640   PT2/PT2P  0.866    WBL3         0.
MO          2.70   RAM          1.3   PT2        26.3    WBL4       3.00
VA KTS      1548   TAM          430   TT2         954    HPEXT        0.

MAXTHR    MAX D/H                                         MIN D/H NOT LIT

FNT        32542   27686   25142   22936   20626   17922   15625    8572
FGT        70612   64378   63072   60724   58317   55814   55518   46464
WAT          466     466     466     466     466     466     466     466
WFT        61693   47660   41756   36602   31406   27221   23342   13081
TSFC       1.896   1.727   1.658   1.603   1.557   1.519   1.494   1.526
BPR         1.53    1.53    1.53    1.53    1.53    1.53    1.53    1.53
WAT2         354     354     354     354     354     354     354     354

N1          5243    5243    5243    5243    5243    5243    5243    5303
N2          8189    8189    8189    8185    8189    8187    8189    8207
PT30        44.0    44.0    44.0    44.0    44.0    44.0    44.0    44.7
PT4        115.9   115.9   115.9   115.9   115.9   115.9   115.9   119.7
TT30        1137    1137    1137    1137    1137    1137    1137    1144
TT4         1492    1492    1492    1492    1492    1492    1492    1505

PT9         20.6    20.6    20.6    20.6    20.6    20.6    20.6    21.2
PTD         41.5    41.9    41.9    42.1    42.2    42.3    42.4    43.4
TT9         1977    1977    1977    1977    1977    1977    1977    1580
TTD         3550    3000    2750    2500    2250    2000    1780    1144
WAS/WAP   0.0351  0.0337  0.0321  0.0311  0.0300  0.0290  0.0280  0.0249
VENG        1974    1974    1974    1974    1974    1974    1974    1566
VDUCT       2618    2408    2309    2204    2094    1977    1868    1507
AJCDE       5.21    5.21    5.21    5.21    5.21    5.21    5.21    5.20
AJCDD       5.87    5.25    4.98    4.70    4.41    4.12    3.85    2.88

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ALT        65000   WASIZE       640   PT2/PT2P  0.904    WBL3         0.
MO          2.20   RAM          0.8   PT2         8.0    WBL4       3.00
VA KTS      1262   TAM          390   TT2         761    HPEXT        0.

MAXTHR    MAX D/H                                         MIN D/H NOT LIT

FNT        15546   13621   12467   11445   10412    9333    7178    4161
FGT        29197   27272   26298   25296   24263   23184   21229   18012
WAT          209     209     209     209     209     209     209     209
WFT        30422   24451   21355   18773   16456   14236   10714    5971
TSFC       1.943   1.792   1.714   1.640   1.581   1.525   1.452   1.435
BPR         1.82    1.82    1.82    1.82    1.82    1.82    1.82    1.79
WAT2         468     468     468     468     468     468     468     468

N1          5282    5282    5282    5282    5282    5282    5282    5323
N2          7991    7991    7991    7991    7991    7991    7991    8068
PT30        13.3    13.3    13.3    13.3    13.3    13.3    13.3    13.8
PT4         45.0    45.0    45.0    45.0    45.0    45.0    45.0    47.1
TT30         913     913     913     913     913     913     913     922
TT4         1307    1307    1307    1307    1307    1307    1307    1322

PT9          8.1     8.1     8.1     8.1     8.1     8.1     8.1     8.5
PTD         11.5    11.4    11.7    12.0    12.1    12.2    12.3    13.0
TT9         2006    2006    2006    2006    2006    2006    2006    2006
TTD         3560    3000    2750    2500    2250    2000    1576     922
WAS/WAP   0.0396  0.0372  0.0360  0.0344  0.0336  0.0324  0.0310  0.0261
VENG        1979    1979    1979    1979    1979    1979    1979    1578
VDUCT       2618    2409    2308    2203    2093    1977    1750    1356
AJCDE       5.21    5.21    5.21    5.21    5.21    5.21    5.21    5.20
AJCDD      10.14    9.75    8.42    7.95    7.38    6.86    5.44    4.09

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ALT        65000   WASIZE       640   PT2/PT2P  0.870    WBL3         0.
MO          2.50   RAM          0.8   PT2        12.3    WBL4       3.00
VA KTS      1434   TAM          390   TT2         875    HPEXT        0.

MAXTHR    MAX D/H                                         MIN D/H NOT LIT

FNT        18421   15672   14413   13124   11802   10426    8608    4659
FGT        37628   34879   33620   32331   31008   29632   27815   23965
WAT          255     255     255     255     255     255     255     255
WFT        35679   27631   24379   21357   18601   15968   12833    7145
TSFC       1.937   1.763   1.693   1.627   1.576   1.532   1.491   1.521
BPR         1.72    1.72    1.72    1.72    1.72    1.72    1.72    1.69
WAT2         397     397     397     397     397     397     397     397

N1          5177    5177    5177    5177    5177    5177    5177    5242
N2          8042    8042    8042    8042    8042    8042    8042    8092
PT30        20.1    20.1    20.1    20.1    20.1    20.1    20.1    20.7
PT4         57.9    57.9    57.9    57.9    57.9    57.9    57.9    60.5
TT30        1035    1035    1035    1035    1035    1035    1035    1044
TT4         1405    1405    1405    1405    1405    1405    1405    1422

PT9         10.4    10.4    10.4    10.4    10.4    10.4    10.4    10.8
PTD         18.4    18.6    18.7    18.8    18.9    19.0    19.1    15.9
TT9         2005    2005    2005    2005    2005    2005    2005    2004
TTD         3560    3000    2750    2500    2250    2000    1686    1044
WAS/WAP   0.0370  0.0347  0.0336  0.0326  0.0314  0.0303  0.0287  0.0253
VENG        1978    1978    1978    1978    1978    1978    1978    1579
VDUCT       2618    2408    2308    2206    2093    1977    1820    1441
AJCDE       5.20    5.20    5.20    5.20    5.20    5.20    5.20    5.20
AJCDD       7.57    6.74    6.37    6.00    5.63    5.24    4.74    3.72

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ALT        65000   WASIZE       640   PT2/PT2P  0.866    WBL3         0.
MO          2.70   RAM          0.8   PT2        16.3    WBL4       3.00
VA KTS      1548   TAM          390   TT2         954    HPEXT        0.

MAXTHR    MAX D/H                                         MIN D/H NOT LIT

FNT        20074   16409   15465   13396   12485   10516    9419    5101
FGT        43571   40406   38961   37493   35982   34413   32915   28600
WAT          289     289     289     289     289     289     289     289
WFT        38586   29627   26039   22897   19779   16896   14356    8068
TSFC       1.922   1.752   1.684   1.629   1.584   1.568   1.524   1.581
BPR         1.59    1.59    1.59    1.59    1.59    1.59    1.59    1.57
WAT2         354     354     354     354     354     354     354     354

N1          5160    5160    5160    5160    5160    5160    5160    5235
N2          8137    8137    8137    8137    8137    8137    8137    8173
PT30        26.5    26.5    26.5    26.5    26.5    26.5    26.5    27.2
PT4         69.4    69.4    69.4    69.4    69.4    69.4    69.4    72.4
TT30        1128    1128    1128    1128    1128    1128    1128    1137
TT4         1481    1481    1481    1481    1481    1481    1481    1494

PT9         12.3    12.3    12.3    12.3    12.3    12.3    12.3    12.9
PTD         24.9    25.1    25.2    25.3    25.3    25.4    25.5    26.4
TT9         2003    2003    2003    2003    2003    2003    2003    2002
TTD         3560    3000    2750    2500    2250    2000    1771    1137
WAS/WAP   0.0352  0.0331  0.0321  0.0311  0.0301  0.0290  0.0279  0.0247
VENG        1977    1977    1977    1977    1977    1977    1977    1977
VDUCT       2618    2408    2308    2204    2094    1977    1864    1503
AJCDE       5.21    5.21    5.21    5.21    5.21    5.21    5.21    5.20
AJCDD       6.15    5.59    5.21    4.92    4.62    4.31    4.02    2.97

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ALT      [illegible]   WASIZE       660   PT2/PT2P [illegible]   WBL3        [illegible]
MO       2.[illegible] PAM          0.5   PT2       5.[illegible] WBL4        2.00
VA KTS   1[illegible]  TAM   [illegible]  TT2             775     HPEXT        0.

MAXTHR   MAX C/H                                                  MIN C/H NOT LIT

FNT        8626    8100    7617    6875    6213    5552    4336    2326
FGT     [illeg]   16719   16115   15623   14651   14172   12791   10962
WAT         129     129     129     129     129     129     129     129
WFT       17270   14950   13251   11536   10154    8762    6515    3533
TSFC      2.047   1.844   1.768   1.642   1.611   1.575   1.504   1.507
BPR        1.96    1.96    1.96    1.96    1.96    1.95    1.96    1.72
WAT2        458     468     458     466     458     458     458     458

N1      [illeg]    5260    5260    5260    5260    5260    5260    5302
N2         7671    7671    7671    7671    7671    7671    7671    7967
PT30        7.7     7.7     7.7     7.7     7.7     7.7     7.7     8.1
PT4        25.6    25.6    25.6    25.6    25.6    25.6    25.6    27.5
TT30        910     910     910     910     910     910     910     919
TT4        1309    1309    1309    1309    1309    1309    1309    1325

PT9         4.8     4.8     4.9     4.8     4.8     4.8     4.6     5.0
PTO         5.5     6.6     6.7     5.8     5.9     5.9     7.0     7.5
TT9        2013    2013    2013    2013    2013    2013    2013    2011
TTO        3560    3000    2750    2500    2250    2000    1573     919
WAS/WAP 0.0[illeg]6 0.0371 0.0353 0.0347  0.0336  0.0321  0.0298  0.0258
VENG       1962    1962    1962    1962    1962    1962    1962    1961
VDUCT      2618    2408    2408    2203    2081    1977    1754    1343
AJCOF      5.21    5.21    5.21    5.21    5.21    5.21    5.21    5.21
AJCOO     11.42   10.34    9.42    8.52    8.23    7.61    6.58    6.49

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ALT      [illegible]   WASIZE       660   PT2/PT2P [illegible]   WBL3        [illegible]
MO       2.[illegible] PAM          0.5   PT2       7.[illegible] WBL4       [illegible]
VA KTS   1461          TAM   [illegible]  TT2     [illegible]    HPEXT        0.

MAXTHR   MAX C/H                                                  MIN C/H NOT LIT

FNT       11775 [illeg] [illeg]    7763    7545    6271 [illeg] [illeg]
FGT       23225 [illeg]   20723 [illeg]   17245   15225 [illeg] [illeg]
WAT         155     155     155     155     155     155     155     155
WFT       20216   17154   15120   14231   11564 [illeg] [illeg] [illeg]
TSFC      1.972   1.776   1.726 [illeg]   1.607 [illeg] [illeg] [illeg]
BPR        1.52    1.52    1.52    1.52    1.52    1.52    1.52 [illeg]
WAT2        417     417     417     417     417     417     417     417

N1         5161    5161    5161    5161    5161    5161    5161 [illeg]
N2         7365    7365    7365    7365    7365    7365    7365 [illeg]
PT30       12.0    12.0    12.0    12.0    12.0    12.0    12.0    12.3
PT4        36.3    36.3    36.3    36.3    36.3    36.3    36.3 [illeg]
TT30       1035    1035    1035    1035    1035    1035    1035    1063
TT4        1609    1609    1609    1609    1609    1609    1609    1625

PT9         6.2     6.2     6.2     6.2     6.2     6.2     6.2     5.6
PTO        10.6    11.0    11.1    11.1    11.2    11.2    11.3    11.4
TT9        2011    2011    2011    2011    2011    2011    2011 [illeg]
TTO        3560    3000    2750    2500    2250    2000 [illeg] [illeg]
WAS/WAP [illeg] [illeg] [illeg] [illeg] [illeg] [illeg] [illeg] [illeg]
VENG       1951    1951    1951    1951    1951    1951    1951    1951
VDUCT      2618    2408    2314    2204    2093    1977 [illeg] [illeg]
AJCOF      5.20    5.20    5.20    5.20    5.20    5.20    5.20    5.20
AJCOO   [illeg]    7.20 [illeg]    6.40 [illeg] [illeg] [illeg] [illeg]

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ALT      75000   WASIZE       660   PT2/PT2P  0.846   WBL3          0.
MO        2.70   PAM          0.5   PT2        10.1   WBL4        3.00
VA KTS    1558   TAM          395   TT2         966   HPEXT         0.

MAXTHR   MAX C/H                                      MIN C/H NOT LIT

FNT       12170    10200     9291     8366     7415     6427     5464     2739
FGT       26810    24820    23911    22486    22035    21067    20044    17359
WAT         179      179      179      175      179      179      179      179
WFT       24132    19616    16133    14084    12166    10336     8646     4706
TSFC      1.977    1.806    1.737    1.683    1.641    1.608    1.592    1.718
BPR        1.71     1.71     1.71     1.71     1.71     1.71     1.71     1.68
WAT2        354      354      354      354      354      354      354      354

N1         5043     5043     5043     5043     5043     5043     5043     5120
N2         8076     8076     8076     8076     8076     8076     8076     8113
PT30       15.7     15.7     15.7     15.7     15.7     15.7     15.7     16.1
PT4        40.2     40.2     40.2     40.2     40.2     40.2     40.2     42.0
TT30       1124     1124     1124     1124     1124     1124     1124     1133
TT4        1475     1475     1475     1475     1475     1475     1475     1492

PT9         7.2      7.2      7.2      7.2      7.2      7.2      7.2      7.5
PTO        14.6     14.7     14.8     14.8     14.9     14.9     14.9     15.5
TT9        2011     2011     2011     2011     2011     2011     2011     2009
TTO        3562     3000     2750     2500     2250     2000     1767     1133
WAS/WAP  0.0352   0.0330   0.0320   0.0310   0.0299   0.0288   0.0277   0.0246
VENG       1981     1981     1981     1981     1981     1981     1981     1980
VDUCT      2618     2409     2303     2204     2094     1977     1861     1500
AJCOF      5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.20
AJCOO      6.59     5.97     5.65     5.[illeg] 5.00    4.66     4.34     3.20

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ALT	55000	WASIZE	640	PT2/PT2P	0.906	WBL3	0.	
MO	2.20	PAM	1.3	PT2	12.7	WBL4	2.00	
VA KTS	1262	TAM	390	TT2	767	HPEXT	0.	
CRUISE	MAX D/H					MIN D/H NOT LIT		
FNT	[illegible]	21310	20310	18578	15968	14225	12006	6677
FGT	47172	45520	42228	41288	37177	37033	34616	23287
WAT	342	342	342	342	342	342	342	342
WFT	[illegible]	38661	34574	30720	25920	22776	16357	9120
TSFC	1.970	1.775	1.676	1.618	1.555	[illegible]	[illegible]	1.366
BPR	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.83
WAT2	474	474	474	474	474	474	474	474
N1	5298	5298	5298	5298	5298	5298	5298	5335
N2	7966	7966	7966	7966	7966	7966	7966	8030
PT30	21.6	21.6	21.6	21.6	21.6	21.6	21.6	22.1
PT4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	76.5
TT30	910	910	910	910	910	910	910	918
TT4	1307	1307	1307	1307	1307	1307	1307	1321
PT9	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.6
PTD	18.9	18.7	18.9	19.1	19.2	19.4	19.6	20.8
TT9	1921	1921	1921	1921	1921	1921	1921	1920
TTD	3500	3000	2750	2500	2250	2000	1571	916
WAS/WAP	0.0395	0.0370	0.0358	0.0346	0.0334	0.0321	0.0297	0.0258
VENG	1937	1937	1937	1937	1937	1937	1937	1937
VDUCT	2518	2408	2304	2203	2093	1977	1757	1353
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
AJCDO	10.06	9.21	8.68	8.16	7.60	7.06	6.10	4.22

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ALT	55000	WASIZE	640	PT2/PT2P	0.870	WBL3	0.	
MO	2.53	PAM	1.3	PT2	19.8	WBL4	3.00	
VA KTS	1434	TAM	390	TT2	875	HPEXT	0.	
CRUISE	MAX D/H					MIN D/H NOT LIT		
FNT	30698	26250	23919	21736	19494	17160	13966	7225
FGT	62858	59210	56279	53896	51654	49320	46126	39385
WAT	428	428	428	428	428	428	428	428
WFT	53766	46003	40485	35292	30588	26288	20551	10756
TSFC	1.966	1.766	1.693	1.624	1.569	1.520	1.472	1.469
BPR	1.82	1.82	1.82	1.82	1.82	1.82	1.82	1.80
WAT2	412	412	412	412	412	412	412	412
N1	5208	5208	5208	5208	5208	5208	5208	5250
N2	7996	7996	7996	7996	7996	7996	7996	8060
PT30	31.5	31.5	31.5	31.5	31.5	31.5	31.5	32.3
PT4	93.3	93.3	93.3	93.3	93.3	93.3	93.3	97.0
TT30	1023	1023	1023	1023	1023	1023	1023	1031
TT4	1401	1401	1401	1401	1401	1401	1401	1416
PT9	16.6	16.6	16.6	16.6	16.6	16.6	16.6	17.2
PTD	29.1	28.7	28.9	29.0	29.2	29.3	29.5	30.8
TT9	1920	1920	1920	1920	1920	1920	1920	1919
TTD	3500	3000	2750	2500	2250	2000	1675	1031
WAS/WAP	0.0362	0.0346	0.0335	0.0324	0.0312	0.0300	0.0284	0.0248
VENG	1937	1937	1937	1937	1937	1937	1937	1937
VDUCT	2618	2408	2308	2204	2091	1977	1814	1432
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
AJCDO	8.41	7.67	7.05	6.64	6.22	5.79	5.21	3.76

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ALT	55000	WASIZE	640	PT2/PT2P	0.846	WBL3	0.	
MO	2.70	PAM	1.3	PT2	26.1	WBL4	3.00	
VA KTS	1546	TAM	390	TT2	954	HPEXT	0.	
CRUISE	MAX D/H					MIN D/H NOT LIT		
FNT	35042	29364	26767	24127	21405	18583	15623	7676
FGT	75916	70238	67643	65001	62283	59457	56497	48550
WAT	503	503	503	503	503	503	503	503
WFT	68123	51804	45276	39392	33880	28629	23591	12036
TSFC	1.944	1.764	1.691	1.632	1.583	1.541	1.510	1.568
BPR	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.79
WAT2	382	382	382	382	382	382	382	382
N1	5159	5159	5159	5159	5159	5159	5159	5209
N2	8092	8092	8092	8092	8092	8092	8092	8126
PT30	40.5	40.5	40.5	40.5	40.5	40.5	40.5	41.4
PT4	111.0	111.0	111.0	111.0	111.0	111.0	111.0	115.2
TT30	1105	1105	1105	1105	1105	1105	1105	1112
TT4	1474	1474	1474	1474	1474	1474	1474	1489
PT9	19.6	19.6	19.6	19.6	19.6	19.6	19.6	20.4
PTD	37.0	37.5	37.6	37.9	37.9	38.1	38.3	39.6
TT9	1918	1918	1918	1918	1918	1918	1918	1917
TTD	3500	3000	2750	2500	2250	2000	1750	1112
WAS/WAP	0.0353	0.0331	0.0321	0.0310	0.0299	0.0287	0.0275	0.0242
VENG	1936	1936	1936	1936	1936	1936	1936	1936
VDUCT	2618	2408	2304	2204	2093	1977	1833	1486
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.20
AJCDO	7.54	6.71	6.35	5.99	5.61	5.23	4.43	3.57

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ALT	65000	WASIZE	640	PT2/PT2P	0.904	WBL3	0.	
MO	2.20	PAM	0.8	PT2	8.0	WBL4	2.00	
VA KTS	1252	TAM	390	TT2	767	HPEXT	0.	
CRUISE	MAX D/H					MIN D/H NOT LIT		
FNT	15522	13374	12388	11171	10321	9226	7182	3867
FGT	27551	27394	26409	25192	24163	23247	21704	17548
WAT	212	212	212	212	212	212	212	212
WFT	31231	24261	21465	18816	16628	14137	10517	5475
TSFC	2.013	1.814	1.732	1.695	1.631	1.532	1.450	1.421
BPR	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.89
WAT2	474	474	474	474	474	474	474	474
N1	5265	5265	5265	5265	5265	5265	5265	5303
N2	7868	7868	7868	7868	7868	7868	7868	7940
PT30	12.7	12.7	12.7	12.7	12.7	12.7	12.7	13.2
PT4	43.8	43.8	43.8	43.8	43.8	43.8	43.8	45.8
TT30	901	901	901	901	901	901	901	910
TT4	1297	1297	1297	1297	1297	1297	1297	1317
PT9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	8.2
PTD	10.6	10.9	11.0	11.1	11.3	11.4	11.5	12.3
TT9	1927	1927	1927	1927	1927	1927	1927	1925
TTD	3500	3000	2750	2500	2250	2000	1565	910
WAS/WAP	0.0396	0.0371	0.0359	0.0347	0.0334	0.0321	0.0297	0.0256
VENG	1940	1940	1940	1940	1940	1940	1940	1940
VDUCT	2518	2408	2306	2203	2093	1976	1755	1367
AJCDE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.21
AJCDO	11.32	9.96	9.35	8.75	8.17	7.58	6.52	4.45

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ALT	65000	WASIZE	640	PT2/PT2P	0.870	WBL3	0.	
MO	2.53	PAM	0.8	PT2	12.3	WBL4	3.00	
VA KTS	1434	TAM	390	TT2	875	HPEXT	0.	
CRUISE	MAX D/H					MIN D/H NOT LIT		
FNT	17896	15769	14639	13280	11883	10429	8391	4167
FGT	38749	35908	34581	33222	31826	30371	28333	24109
WAT	265	265	265	265	265	265	265	265
WFT	37275	28664	25207	21954	19004	16185	12640	6494
TSFC	1.977	1.795	1.722	1.653	1.595	1.552	1.506	1.559
BPR	1.87	1.87	1.87	1.87	1.87	1.87	1.87	1.85
WAT2	412	412	412	412	412	412	412	412
N1	5171	5171	5171	5171	5171	5171	5171	5211
N2	7935	7935	7935	7935	7935	7935	7935	7971
PT30	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.5
PT4	55.9	55.9	55.9	55.9	55.9	55.9	55.9	58.1
TT30	1015	1015	1015	1015	1015	1015	1015	1022
TT4	1391	1391	1391	1391	1391	1391	1391	1406
PT9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	10.3
PTD	16.8	17.1	17.2	17.4	17.5	17.5	17.7	18.5
TT9	1925	1925	1925	1925	1925	1925	1925	1924
TTD	3500	3000	2750	2500	2250	2000	1668	1022
WAS/WAP	0.0370	0.0346	0.0336	0.0324	0.0312	0.0300	0.0283	0.0247
VENG	1940	1940	1940	1940	1940	1940	1940	1939
VDUCT	2618	2408	2308	2201	2093	1977	1810	1426
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
AJCDO	[illegible]	7.84	7.40	6.96	6.52	6.07	5.44	3.92

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ALT	65000	WASIZE	640	PT2/PT2P	0.846	WBL3	0.	
MO	2.70	PAM	0.8	PT2	16.3	WBL4	3.00	
VA KTS	1545	TAM	390	TT2	954	HPEXT	0.	
CRUISE	MAX D/H					MIN D/H NOT LIT		
FNT	21592	19054	16436	14788	13092	11329	9630	4459
FGT	46918	43392	41781	40134	38433	36675	34776	29804
WAT	312	312	312	312	312	312	312	312
WFT	42518	32291	28202	24511	21064	17774	14934	7302
TSFC	1.969	1.792	1.716	1.657	1.609	1.569	1.561	1.638
BPR	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.84
WAT2	382	382	382	382	382	382	382	382
N1	5114	5114	5114	5114	5114	5114	5114	5163
N2	8042	8042	8042	8042	8042	8042	8042	8075
PT30	24.5	24.5	24.5	24.5	24.5	24.5	24.5	25.1
PT4	66.8	66.8	66.8	66.8	66.8	66.8	66.8	69.4
TT30	1097	1097	1097	1097	1097	1097	1097	1105
TT4	1464	1464	1464	1464	1464	1464	1464	1479
PT9	11.8	11.8	11.8	11.8	11.8	11.8	11.8	12.2
PTD	22.2	22.5	22.6	22.7	22.8	22.9	23.0	23.9
TT9	1924	1924	1924	1924	1924	1924	1924	1923
TTD	3500	3000	2750	2500	2250	2000	1743	1105
WAS/WAP	0.0354	0.0332	0.0321	0.0310	0.0299	0.0288	0.0275	0.0242
VENG	1939	1939	1939	1939	1939	1939	1939	1939
VDUCT	2618	2408	2308	2204	2093	1977	1849	1481
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
AJCDO	7.86	6.99	6.61	6.22	5.84	5.44	5.01	3.69

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ALT       75000   WASIZE      640   PT2/PT2P 0.906   WBL3       0.
MO         2.20   PSM         0.5   PT2        5.0   WBL4     2.00
VA KTS     1270   TAM         395   TT2        775   HPEXT      0.

CRUISE    MAX D/H                                    MIN D/H NOT LIT

FNT        8237    7723    7319    6634    5568    4371    4026    2032
FGT       17150   15665   16342   15917   15771   16076   17799   15722
WAT         131     131     131     131     131     131     131     131
WFT       17710   13724   13425   11713   10705    6760    6311    3182
TSFC      2.136   1.722   1.836   1.753   1.687   1.627   1.568   1.556
BPR        2.08    2.08    2.08    2.08    2.08    2.08    2.08    2.05
WAT2        474     474     474     474     474     474     474     474

N1         5215    5215    5215    5215    5215    5215    5215    5262
N2         7744    7744    7744    7744    7744    7744    7744    7796
PT3D        7.2     7.2     7.2     7.2     7.2     7.2     7.2     7.5
PT4        25.2    25.2    25.2    25.2    25.2    25.2    25.2    26.4
TT3D        897     897     897     897     897     897     897     906
TT4        1292    1292    1292    1292    1292    1292    1292    1398

PT9         4.5     4.5     4.5     4.5     4.5     4.5     4.5     4.7
PTD         5.7     5.9     6.0     6.1     6.2     6.2     6.4     6.9
TT9        1933    1933    1933    1933    1933    1933    1933    1932
TTD        3560    3000    2750    2500    2250    2000    1555     906
WAS/WAP  0.0375  0.0370  0.0358  0.0345  0.0333  0.0319  0.0306  0.0253
VENG       1963    1963    1963    1963    1963    1963    1963    1963
VDUCT      2617    2608    2308    2203    2093    1976    1749    1363
AJCDE      5.20    5.20    5.20    5.20    5.20    5.20    5.20    5.21
AJCDD     13.31   11.52   10.85   10.14    9.43    8.72    7.95    5.02

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ALT       75000   WASIZE      640   PT2/PT2P 0.87    WBL3       0.
MO         2.50   PSM         0.5   PT2        7.6   WBL4     2.50
VA KTS     1443   TAM         395   TT2        886   HPEXT      0.

CRUISE    MAX D/H                                    MIN D/H NOT LIT

FNT       11521    9721 [illegible] 8248   7127    6264 [illegible] 2365
FGT [illegible]   22129   21569   20676   19565   18677   17511   14777
WAT         166     166     166     166     166     166     166     166
WFT       23147   17765   13611   13565   11710    7738    7722    3551
TSFC      2.314   1.829   1.755   1.586   1.532   1.583   1.561   1.622
BPR        1.77    1.77    1.77    1.77    1.77    1.77    1.77    1.75
WAT2        412     412     412     412     412     412     412     412

N1         5151    5151    5151    5151    5151    5151    5151    5188
N2         7642    7642    7642    7642    7642    7642    7642    7926
PT3D       11.3    11.3    11.3    11.3    11.3    11.3    11.3    11.6
PT4        33.3    33.3    33.3    33.3    33.3    33.3    33.3    34.6
TT3D       1017    1017    1017    1017    1017    1017    1017    1024
TT4        1376    1376    1376    1376    1376    1376    1376    1411

PT9         5.9     5.9     5.9     5.9     5.9     5.9     5.9     6.1
PTD         9.9    10.1    10.2    10.3    10.3    10.4    10.5    11.0
TT9        1930    1930    1930    1930    1930    1930    1930    1927
TTD        3560    3000    2750    2500    2250    2000    1770    1026
WAS/WAP  0.0357  0.0345  0.0334  0.0323  0.0311  0.0299  0.0282  0.0265
VENG       1962    1962    1962    1962    1962    1962    1962    1962
VDUCT      2618    2608    2308    2203    2111    1777    1611    1627
AJCDE      5.21    5.21    5.21    5.21    5.21    5.21    5.21    5.21
AJCDD      9.55    8.36    7.78    7.49    6.93    5.99    5.78    4.15

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ALT       75000   WASIZE      640   PT2/PT2P 0.846   WBL3       0.
MO         2.70   PSM         0.5   PT2       10.1   WBL4     3.00
VA KTS     1558   TAM         395   TT2        966   HPEXT      0.

CRUISE    MAX D/H                                    MIN D/H NOT LIT

FNT       13078   10872    9862    8834    7775    6673    5484    2374
FGT       28943   26643   25633   24604   23549   22443   21754   18145
WAT         193     193     193     193     193     193     193     193
WFT       26456   20518   17443   15120   12950   10879    8835    4282
TSFC      2.023   1.861   1.769   1.712   1.666   1.630   1.611   1.803
BPR        1.96    1.96    1.96    1.96    1.96    1.96    1.96    1.96
WAT2        382     382     382     382     382     382     382     382

N1         5056    5056    5056    5056    5056    5056    5056    5107
N2         7993    7993    7993    7993    7993    7993    7993    8023
PT3D       14.5    14.5    14.5    14.5    14.5    14.5    14.5    14.9
PT4        39.0    39.0    39.0    39.0    39.0    39.0    39.0    40.6
TT3D       1097    1097    1097    1097    1097    1097    1097    1104
TT4        1462    1462    1462    1462    1462    1462    1462    1477

PT9         6.9     6.9     6.9     6.9     6.9     6.9     6.9     7.2
PTD        13.0    13.2    13.3    13.4    13.4    13.5    13.6    14.1
TT9        1930    1930    1930    1930    1930    1930    1930    1929
TTD        3560    3000    2750    2500    2250    2000    1742    1104
WAS/WAP  0.0353  0.0331  0.0320  0.0309  0.0298  0.0286  0.0273  0.0239
VENG       1942    1942    1942    1942    1942    1942    1942    1942
VDUCT      2618    2408    2308    2204    2093    1977    1849    1481
AJCDE      5.21    5.21    5.21    5.21    5.21    5.21    5.21    5.21
AJCDD      8.45    7.50    7.09    6.67    6.25    5.82    5.36    3.94

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ALT        55000   WASIZE        640   PT2/PT2P  0.904   WBL3        0.
MO          2.23   PAM           1.3   PT2        12.9   WBL4      3.00
VA KTS      1262   TAM           390   TT2         767   HPEXT       0.

CRUISE   MAX D/H                                         MIN D/H NOT LIT

FNT        25376    21603    20282    18631    16923    15150    11875     6510
FGT        48173    46628    43076    41425    39723    37544    34609    29304
WAT          344      344      344      344      344      344      344      344
WFT        50510    38752    34736    30477    26621    22956    17004     9070
TSFC       1.990    1.794    1.713    1.636    1.573    1.514    1.432    1.393
BPR         1.87     1.87     1.87     1.87     1.87     1.87     1.87     1.85
WAT2         478      478      478      478      478      478      478      478

N1          5304     5304     5304     5304     5304     5304     5304     5141
N2          7963     7963     7963     7963     7963     7963     7963     8015
PT3D        21.0     21.0     21.0     21.0     21.0     21.0     21.0     21.7
PT4         72.7     72.7     72.7     72.7     72.7     72.7     72.7     75.9
TT3D         906      906      906      906      906      906      906      915
TT4         1303     1303     1303     1303     1303     1303     1303     1318

PT9         13.0     13.0     13.0     13.0     13.0     13.0     13.0     13.5
PTD         17.8     18.2     18.4     18.6     18.8     18.9     19.2     20.4
TT9         1920     1920     1920     1920     1920     1920     1920     1920
TTD         3560     3000     2750     2500     2250     2000     1570      915
WAS/WAP   0.0395   0.0372   0.0358   0.0346   0.0334   0.0321   0.0297   0.0257
VENG        1937     1937     1937     1937     1937     1937     1937     1937
VDUCT       2618     2408     2308     2204     2093     1977     1757     1359
AJCDE       5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDO      10.33     9.61     9.02     8.46     7.89     7.33     6.32     4.34

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ALT        55000   WASIZE        640   PT2/PT2P  0.870   WBL3        0.
MO          2.50   PAM           1.3   PT2        19.8   WBL4      3.00
VA KTS      1434   TAM           390   TT2         875   HPEXT       0.

CRUISE   MAX D/H                                         MIN D/H NOT LIT

FNT        32215    27312    25060    22752    20379    17906    14425     7428
FGT        65937    61033    58782    56674    54100    51628    48166    40550
WAT          448      448      448      448      448      448      448      448
WFT        63335    48673    42775    37221    32206    27397    21326    10834
TSFC       1.967    1.782    1.707    1.636    1.580    1.530    1.479    1.459
BPR         1.92     1.92     1.92     1.92     1.92     1.92     1.92     1.90
WAT2         432      432      432      432      432      432      432      432

N1          5293     5293     5293     5293     5293     5293     5293     5310
N2          7997     7997     7997     7997     7997     7997     7997     8040
PT3D        30.5     30.5     30.5     30.5     30.5     30.5     30.5     31.4
PT4         94.4     94.4     94.4     94.4     94.4     94.4     94.4     98.0
TT3D        1013     1013     1013     1013     1013     1013     1013     1021
TT4         1405     1405     1405     1405     1405     1405     1405     1420

PT9         16.8     16.8     16.8     16.8     16.8     16.8     16.8     17.3
PTD         26.7     27.2     27.4     27.6     27.9     27.9     28.2     29.6
TT9         1919     1919     1919     1919     1919     1919     1919     1917
TTD         3560     3000     2750     2500     2250     2000     1666     1021
WAS/WAP   0.0372   0.0347   0.0336   0.0324   0.0311   0.0300   0.0283   0.0247
VENG        1937     1937     1937     1937     1937     1937     1937     1936
VDUCT       2618     2408     2308     2203     2093     1977     1809     1478
AJCDE       5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.21
AJCDO       9.52     8.42     7.94     7.46     6.98     6.49     5.92     4.17

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ALT        55000   WASIZE        640   PT2/PT2P  0.846   WBL3        0.
MO          2.70   PAM           1.3   PT2        26.3   WBL4      3.00
VA KTS      1548   TAM           390   TT2         954   HPEXT       0.

CRUISE   MAX D/H                                         MIN D/H NOT LIT

FNT        37239    31176    28399    25554    22634    19598    16276     7673
FGT        80675    74439    71646    68811    65890    62854    59533    50930
WAT          533      533      533      533      533      533      533      533
WFT        72905    55533    48380    42001    36041    30354    24672    12139
TSFC       1.958    1.781    1.704    1.644    1.592    1.549    1.516    1.582
BPR         1.93     1.93     1.93     1.93     1.93     1.93     1.93     1.92
WAT2         404      404      404      404      404      404      404      404

N1          5262     5262     5262     5262     5262     5262     5262     5304
N2          8097     8097     8097     8097     8097     8097     8097     8132
PT3D        39.2     39.2     39.2     39.2     39.2     39.2     39.2     40.1
PT4        112.5    112.5    112.5    112.5    112.5    112.5    112.5    116.7
TT3D        1093     1093     1093     1093     1093     1093     1093     1100
TT4         1479     1479     1479     1479     1479     1479     1479     1494

PT9         19.8     19.8     19.8     19.8     19.8     19.8     19.8     20.5
PTD         34.9     35.5     35.7     35.9     36.1     36.2     36.4     39.0
TT9         1916     1916     1916     1916     1916     1916     1916     1915
TTD         3560     3000     2750     2500     2250     2000     1739     1100
WAS/WAP   0.0355   0.0332   0.0322   0.0311   0.0299   0.0288   0.0275   0.0241
VENG        1936     1936     1936     1936     1936     1936     1936     1935
VDUCT       2618     2408     2308     2204     2093     1977     1847     1478
AJCDE       5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDO       8.65     7.68     7.25     6.82     6.39     5.95     5.47     4.02

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ALT        65000   WASIZE        640   PT2/PT2P  0.904   WBL3        0.
MO          2.23   PAM           0.8   PT2         8.0   WBL4      3.00
VA KTS      1262   TAM           390   TT2         767   HPEXT       0.

CRUISE   MAX D/H                                         MIN D/H NOT LIT

FNT        15417    13264    12276    11256    10202     9100     7019     3685
FGT        29952    27399    26411    25391    24337    23235    21154    17820
WAT          214      214      214      214      214      214      214      214
WFT        31590    24493    21650    18969    16547    14224    10411     5429
TSFC       2.049    1.847    1.764    1.685    1.622    1.563    1.483    1.473
BPR         1.96     1.96     1.96     1.96     1.96     1.96     1.96     1.97
WAT2         478      478      478      478      478      478      478      478

N1          5261     5261     5261     5261     5261     5261     5261     5304
N2          7835     7835     7835     7835     7835     7835     7835     7909
PT3D        12.3     12.3     12.3     12.3     12.3     12.3     12.3     12.8
PT4         43.0     43.0     43.0     43.0     43.0     43.0     43.0     45.0
TT3D         896      896      896      896      896      896      896      905
TT4         1291     1291     1291     1291     1291     1291     1291     1307

PT9          7.7      7.7      7.7      7.7      7.7      7.7      7.7      9.0
PTD         10.2     10.4     10.6     10.7     10.8     10.9     11.1     12.0
TT9         1927     1927     1927     1927     1927     1927     1927     1925
TTD         3560     3000     2750     2500     2250     2000     1560      905
WAS/WAP   0.0396   0.0371   0.0357   0.0347   0.0334   0.0321   0.0296   0.0256
VENG        1940     1940     1940     1940     1940     1940     1940     1939
VDUCT       2618     2408     2308     2203     2093     1976     1752     1343
AJCDE       5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDO      12.01    10.54     9.88     9.24     8.61     7.98     6.34     4.63

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ALT        65000   WASIZE        640   PT2/PT2P  0.870   WBL3        0.
MO          2.50   PAM           0.8   PT2        12.3   WBL4      3.00
VA KTS      1434   TAM           390   TT2         875   HPEXT       0.

CRUISE   MAX D/H                                         MIN D/H NOT LIT

FNT        19770    16725    15326    13891    12415    10876     8665     4170
FGT        40681    37636    36237    34802    33325    31787    29576    25081
WAT          278      278      278      278      278      278      278      278
WFT        39535    30313    26623    23151    20002    16992    13122     6554
TSFC       1.998    1.812    1.737    1.667    1.611    1.562    1.514    1.572
BPR         1.97     1.97     1.97     1.97     1.97     1.97     1.97     1.96
WAT2         432      432      432      432      432      432      432      432

N1          5259     5259     5259     5259     5259     5259     5259     5300
N2          7941     7941     7941     7941     7941     7941     7941     7977
PT3D        18.4     18.4     18.4     18.4     18.4     18.4     18.4     18.9
PT4         56.6     56.6     56.6     56.6     56.6     56.6     56.6     58.9
TT3D        1006     1006     1006     1006     1006     1006     1006     1013
TT4         1396     1396     1396     1396     1396     1396     1396     1411

PT9         10.1     10.1     10.1     10.1     10.1     10.1     10.1     10.4
PTD         15.9     16.2     16.3     16.5     16.6     16.7     16.9     17.7
TT9         1923     1923     1923     1923     1923     1923     1923     1922
TTD         3560     3000     2750     2500     2250     2000     1660     1013
WAS/WAP   0.0371   0.0347   0.0336   0.0325   0.0313   0.0300   0.0283   0.0246
VENG        1939     1939     1939     1939     1939     1939     1939     1938
VDUCT       2618     2408     2308     2203     2093     1977     1806     1420
AJCDE       5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDO      10.02     8.85     8.34     7.83     7.32     6.80     6.09     4.34

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ALT        65000   WASIZE        640   PT2/PT2P  0.846   WBL3        0.
MO          2.70   PAM           0.8   PT2        16.3   WBL4      3.00
VA KTS      1549   TAM           390   TT2         954   HPEXT       0.

CRUISE   MAX D/H                                         MIN D/H NOT LIT

FNT        22922    19152    17417    15653    13835    11943     9824     4457
FGT        49746    45976    44240    42476    40659    38767    36645    31280
WAT          330      330      330      330      330      330      330      330
WFT        45491    34606    30119    26129    22401    18842    15206     7375
TSFC       1.984    1.807    1.729    1.669    1.619    1.578    1.548    1.655
BPR         1.98     1.98     1.98     1.98     1.98     1.98     1.98     1.97
WAT2         404      404      404      404      404      404      404      404

N1          5223     5223     5223     5223     5223     5223     5223     5270
N2          8051     8051     8051     8051     8051     8051     8051     8084
PT3D        23.7     23.7     23.7     23.7     23.7     23.7     23.7     24.3
PT4         67.8     67.8     67.8     67.8     67.8     67.8     67.8     70.4
TT3D        1086     1086     1086     1086     1086     1086     1086     1093
TT4         1470     1470     1470     1470     1470     1470     1470     1485

PT9         12.0     12.0     12.0     12.0     12.0     12.0     12.0     12.4
PTD         20.9     21.3     21.4     21.5     21.7     21.8     21.9     22.9
TT9         1922     1922     1922     1922     1922     1922     1922     1921
TTD         3560     3000     2750     2500     2250     2000     1733     1093
WAS/WAP   0.0355   0.0333   0.0322   0.0311   0.0300   0.0288   0.0274   0.0240
VENG        1938     1938     1938     1938     1938     1938     1938     1938
VDUCT       2618     2408     2308     2204     2093     1977     1866     1474
AJCDE       5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.21
AJCDO       9.04     8.01     7.56     7.11     6.66     6.19     5.68     4.16

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ALT       75000   WASIZE       640   PT2/PT2P  0.906    WBL3       0.
MO         2.20   PAM          0.5   PT2         5.0    WBL4     2.00
VA KTS     1270   TAM          395   TT2         770    HPEXT      0.

CRUISE   MAX O/H                                        MIN O/H NOT LIT

FNT        8275     7955     7369     6721     6072     5390     4075     2025
FGT       15069    16749    16143    15515    14866    14185    12870    13819
WAT         132      132      132      132      132      132      132      132
WFT       17837    15590    13639    11879    10328     8839     6352     3187
TSFC      2.155    1.960    1.851    1.767    1.701    1.640    1.558    1.574
BPR        2.10     2.10     2.10     2.10     2.10     2.10     2.10     2.06
WAT2        478      478      478      478      478      478      478      478

N1         5230     5230     5230     5230     5230     5230     5230     5277
N2         7746     7746     7746     7746     7746     7746     7746     7777
PT3D        7.1      7.1      7.1      7.1      7.1      7.1      7.1      7.4
PT4        25.3     25.3     25.3     25.3     25.3     25.3     25.3     26.4
TT3D        895      895      895      895      895      895      895      903
TT4        1293     1293     1293     1293     1293     1293     1293     1309

PT9         4.5      4.5      4.5      4.5      4.5      4.5      4.5      4.7
PTD         5.6      5.8      5.9      6.0      6.0      6.1      6.2      6.8
TT9        1933     1933     1933     1933     1933     1933     1933     1932
TTD        3560     3000     2750     2500     2250     2000     1552      903
WAS/WAP  0.0375   0.0370   0.0358   0.0346   0.0333   0.0319   0.0294   0.0253
VENG       1963     1963     1963     1963     1963     1963     1963     1963
VDUCT      2617     2408     2308     2203     2093     1975     1757     1362
AJCOE      5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.21
AJCOO     13.81    12.03    11.24    10.48     9.74     9.01     7.67     5.16

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ALT       75000   WASIZE       640   PT2/PT2P  0.873    WBL3       0.
MO         2.50   PAM          0.5   PT2         7.6    WBL4     2.00
VA KTS     1443   TAM          395   TT2         886    HPEXT      0.

CRUISE   MAX O/H                                        MIN O/H NOT LIT

FNT       12052    10163     9276     8402     7483     6325     5156     2356
FGT       25062    23171    22136    21412    20623    19535    18166    15366
WAT         172      172      172      172      172      172      172      172
WFT       24586    18810    16471    14308    12424    10617     8530     3885
TSFC      2.040    1.851    1.776    1.703    1.660    1.679    1.655    1.649
BPR        2.08     2.08     2.08     2.08     2.08     2.08     2.08     2.06
WAT2        432      432      432      432      432      432      432      432

N1         5230     5230     5230     5230     5230     5230     5230     5277
N2         7898     7898     7898     7898     7898     7898     7898     7931
PT3D       10.9     10.9     10.9     10.9     10.9     10.9     10.9     11.2
PT4        33.7     33.7     33.7     33.7     33.7     33.7     33.7     35.0
TT3D       1009     1009     1009     1009     1009     1009     1009     1016
TT4        1400     1400     1400     1400     1400     1400     1400     1415

PT9         6.0      6.0      6.0      6.0      6.0      6.0      6.0      6.2
PTD         9.2      9.5      9.6      9.6      9.7      9.8      9.9     10.5
TT9        1929     1929     1929     1929     1929     1929     1929     1928
TTD        3560     3000     2750     2500     2250     2000     1662     1016
WAS/WAP  0.0370   0.0346   0.0335   0.0323   0.0311   0.0299   0.0281   0.0244
VENG       1962     1962     1962     1962     1962     1962     1962     1961
VDUCT      2618     2408     2308     2203     2093     1977     1807     1422
AJCOE      5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCOO     13.81     9.52     8.99     8.40     7.85     7.29     6.50     4.63

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ALT       75000   WASIZE       640   PT2/PT2P  0.846    WBL3       0.
MO         2.70   PAM          0.5   PT2        10.1    WBL4     1.00
VA KTS     1559   TAM          395   TT2         964    HPEXT      0.

CRUISE   MAX O/H                                        MIN O/H NOT LIT

FNT       13458    11516    10437     9338     8206     7028     5712     2363
FGT       30548 [illegible] [illegible] 26028  24896    23717    22461 [illegible]
WAT         204      204      204      204      204      204      204      204
WFT       28263    21431    18613    16106    13764    11528     9252     4328
TSFC      2.100    1.861    1.783    1.725    1.677    1.640    1.620    1.832
BPR        2.08     2.08     2.08     2.09     2.08     2.09     2.08     2.07
WAT2        404      404      404      404      404      404      404      404

N1         5177     5177     5177     5177     5177     5177     5177     5223
N2         8005     8005     8005     8005     8005     8005     8005     8031
PT3D       14.0     14.0     14.0     14.0     14.0     14.0     14.0     14.4
PT4        39.7     39.7     39.7     39.7     39.7     39.7     39.7     41.3
TT3D       1088     1088     1088     1088     1088     1088     1088     1094
TT4        1469     1469     1469     1469     1469     1469     1469     1483

PT9         7.0      7.0      7.0      7.0      7.0      7.0      7.0      7.3
PTD        12.2     12.4     12.5     12.6     12.7     12.8     12.9     13.4
TT9        1927     1927     1927     1927     1927     1927     1927     1927
TTD        3560     3000     2750     2500     2250     2000     1734     1094
WAS/WAP  0.0354   0.0331   0.0321   0.0310   0.0298   0.0286   0.0273   0.0238
VENG       1941     1941     1941     1941     1941     1941     1941     1940
VDUCT      2618     2408     2308     2204     2093     1977     1944     1475
AJCOE      5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCOO      9.74     8.61     8.11     7.63     7.14     6.64     6.08     4.45

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ALT	55000	WASIZE	440	PT2/PT2P	0.904	WBL3	0.
MO	2.20	PAM	1.1	PT2	12.9	WBL4	3.00
VA KTS	1262	TAM	390	TT2	767	HPEXT	0.

CRUISE	MAX D/H						MIN D/H NOT LIT	
FNT	24137	21510	19339	18321	16454	14913	11739	6304
FGT	47276	43855	42274	43858	38991	37250	36076	28841
WAT	337	337	337	337	337	337	337	337
WFT	42260	38125	33335	29795	26051	22463	16741	9032
TSFC	1.776	1.782	1.702	1.626	1.564	1.506	1.426	1.389
BPR	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.81
WAT2	468	468	468	468	468	468	468	468
N1	5265	5265	5265	5265	5265	5265	5265	5303
N2	7944	7944	7944	7944	7944	7944	7944	8015
PT3D	21.4	21.4	21.4	21.4	21.4	21.4	21.4	22.1
PT4	72.3	72.3	72.3	72.3	72.3	72.3	72.3	75.4
TT3D	910	910	910	910	910	910	910	919
TT4	1301	1301	1301	1301	1301	1301	1301	1316
PT9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	13.5
PTD	18.4	18.8	19.0	19.2	19.3	19.5	19.7	20.9
TT9	1921	1921	1921	1921	1921	1921	1921	1921
TTD	3560	3000	2750	2500	2250	2000	1571	919
WAS/WAP	0.0396	0.0370	0.0358	0.0344	0.0334	0.0321	0.0298	0.0258
VENG	1938	1938	1938	1938	1938	1938	1938	1937
VDUCT	2618	2408	2308	2203	2093	1977	1759	1353
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
AJCDD	10.23	9.03	8.55	7.97	7.45	6.92	5.99	4.13

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ALT	55000	WASIZE	440	PT2/PT2P	0.870	WBL3	0.
MO	2.50	PAM	1.1	PT2	19.8	WBL4	3.00
VA KTS	1434	TAM	390	TT2	875	HPEXT	0.

CRUISE	MAX D/H						MIN D/H NOT LIT	
FNT	29475	25040	23007	20729	18784	16565	13595	7224
FGT	60453	58314	55981	51455	49762	47519	44569	38135
WAT	412	412	412	412	412	412	412	412
WFT	56994	45364	38735	33814	29356	25095	19967	10706
TSFC	1.933	1.756	1.686	1.614	1.562	1.515	1.469	1.482
BPR	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.71
WAT2	397	397	397	397	397	397	397	397
N1	5150	5150	5150	5150	5150	5150	5150	5209
N2	7992	7992	7992	7992	7992	7992	7992	8038
PT3D	32.2	32.2	32.2	32.2	32.2	32.2	32.2	33.1
PT4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	96.4
TT3D	1031	1031	1031	1031	1031	1031	1031	1039
TT4	1398	1398	1398	1398	1398	1398	1398	1414
PT9	16.4	16.4	16.4	16.4	16.4	16.4	16.4	17.1
PTD	29.4	29.8	29.9	30.1	30.2	30.3	30.5	31.7
TT9	1921	1921	1921	1921	1921	1921	1921	1920
TTD	3560	3000	2750	2500	2250	2000	1693	1039
WAS/WAP	0.0368	0.0345	0.0334	0.0323	0.0312	0.0300	0.0284	0.0250
VENG	1937	1937	1937	1937	1937	1937	1937	1937
VDUCT	2618	2408	2308	2204	2093	1977	1818	1438
AJCDE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20
AJCDD	7.67	6.83	6.45	6.08	5.70	5.31	4.80	3.46

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ALT	55000	WASIZE	440	PT2/PT2P	0.846	WBL3	0.
MO	2.70	PAM	1.1	PT2	26.3	WBL4	3.00
VA KTS	1548	TAM	390	TT2	954	HPEXT	0.

CRUISE	MAX D/H						MIN D/H NOT LIT	
FNT	32077	26958	24622	22246	19802	17264	14791	7749
FGT	69969	64850	62514	60138	57694	55194	52683	45641
WAT	466	466	466	466	466	466	466	466
WFT	61594	47077	41261	36017	31117	26446	22259	12012
TSFC	1.920	1.746	1.676	1.619	1.572	1.532	1.505	1.550
BPR	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.59
WAT2	354	354	354	354	354	354	354	354
N1	5123	5123	5123	5123	5123	5123	5123	5194
N2	8088	8088	8088	8088	8088	8088	8088	8122
PT3D	42.4	42.4	42.4	42.4	42.4	42.4	42.4	43.3
PT4	110.5	110.5	110.5	110.5	110.5	110.5	110.5	114.9
TT3D	1123	1123	1123	1123	1123	1123	1123	1131
TT4	1472	1472	1472	1472	1472	1472	1472	1488
PT9	19.5	19.5	19.5	19.5	19.5	19.5	19.5	20.2
PTD	39.7	40.1	40.2	40.3	40.4	40.5	40.6	42.0
TT9	1919	1919	1919	1919	1919	1919	1919	1918
TTD	3560	3000	2750	2500	2250	2000	1767	1131
WAS/WAP	0.0351	0.0329	0.0317	0.0309	0.0298	0.0287	0.0277	0.0245
VENG	1937	1937	1937	1937	1937	1937	1937	1936
VDUCT	2618	2408	2308	2204	2094	1977	1861	1459
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.20
AJCDD	6.25	5.59	5.29	4.99	4.69	4.38	4.07	3.02

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ALT	65000	WASIZE	640	PT2/PT2P	0.934	WBL3	0.
MO	2.20	PAM	0.9	PT2	8.0	WBL4	3.00
VA KTS	1262	TAM	390	TT2	767	HPEXT	0.

CRUISE	MAX D/H						MIN D/H NOT LIT	
FNT	15184	13064	12092	11049	10059	8574	6951	3686
FGT	29335	26915	25963	24940	23906	22825	20901	17537
WAT	209	209	209	209	209	209	209	209
WFT	30811	23918	21151	18548	16190	13330	10248	5401
TSFC	2.029	1.831	1.749	1.672	1.610	1.552	1.474	1.466
BPR	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.88
WAT2	468	468	468	468	468	468	468	468
N1	5223	5223	5223	5223	5223	5223	5223	5263
N2	7834	7834	7834	7834	7834	7834	7834	7909
PT3D	12.6	12.6	12.6	12.6	12.6	12.6	12.6	13.1
PT4	42.8	42.8	42.8	42.8	42.8	42.8	42.8	44.7
TT3D	900	900	900	900	900	900	900	908
TT4	1289	1289	1289	1289	1289	1289	1289	1304
PT9	7.7	7.7	7.7	7.7	7.7	7.7	7.7	8.0
PTD	10.6	10.9	11.0	11.1	11.2	11.3	11.5	12.3
TT9	1927	1927	1927	1927	1927	1927	1927	1926
TTD	3560	3000	2750	2500	2250	2000	1563	908
WAS/WAP	0.0376	0.0371	0.0359	0.0347	0.0334	0.0321	0.0297	0.0257
VENG	1941	1941	1941	1941	1941	1941	1941	1940
VDUCT	2618	2408	2308	2203	2093	1975	1754	1346
AJCDE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.21
AJCDD	11.19	9.84	9.24	8.66	8.09	7.49	6.45	4.40

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ALT	65000	WASIZE	640	PT2/PT2P	0.870	WBL3	0.
MO	2.50	PAM	0.9	PT2	12.1	WBL4	3.00
VA KTS	1434	TAM	390	TT2	875	HPEXT	0.

CRUISE	MAX D/H						MIN D/H NOT LIT	
FNT	18123	15156	14099	12795	11455	10067	8163	4154
FGT	37130	34563	33234	31396	30662	29274	27170	23266
WAT	255	255	255	255	255	255	255	255
WFT	35587	27419	24133	21069	18246	15571	12273	6455
TSFC	1.964	1.799	1.713	1.646	1.593	1.547	1.504	1.552
BPR	1.79	1.79	1.79	1.79	1.79	1.79	1.79	1.77
WAT2	397	397	397	397	397	397	397	397
N1	5101	5101	5101	5101	5101	5101	5101	5150
N2	7929	7929	7929	7929	7929	7929	7929	7969
PT3D	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.9
PT4	55.3	55.3	55.3	55.3	55.3	55.3	55.3	57.6
TT3D	1022	1022	1022	1022	1022	1022	1022	1039
TT4	1387	1387	1387	1387	1387	1387	1387	1403
PT9	9.8	9.8	9.8	9.8	9.8	9.8	9.8	10.2
PTD	17.5	17.8	17.9	18.0	18.1	18.1	18.2	19.0
TT9	1926	1926	1926	1926	1926	1925	1926	1925
TTD	3560	3000	2750	2500	2250	2000	1675	1030
WAS/WAP	0.0369	0.0346	0.0335	0.0324	0.0312	0.0300	0.0284	0.0249
VENG	1940	1940	1940	1940	1940	1940	1940	1940
VDUCT	2618	2408	2308	2204	2093	1977	1813	1432
AJCDE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20
AJCDD	8.07	7.17	6.78	6.38	5.98	5.57	5.02	3.62

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ALT	65000	WASIZE	640	PT2/PT2P	0.846	WBL3	0.
MO	2.70	PAM	0.8	PT2	16.3	WBL4	3.00
VA KTS	1548	TAM	390	TT2	954	HPEXT	0.

CRUISE	MAX D/H						MIN D/H NOT LIT	
FNT	17790	16588	15126	13640	12110	10521	8916	4495
FGT	43287	40085	38623	37137	35501	34018	32411	27792
WAT	289	289	289	289	289	289	289	289
WFT	34520	29393	25740	22441	19364	16427	13703	7271
TSFC	1.946	1.772	1.702	1.645	1.599	1.561	1.537	1.617
BPR	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.65
WAT2	354	354	354	354	354	354	354	354
N1	5049	5049	5049	5049	5049	5049	5049	5121
N2	8037	8037	8037	8037	8037	8037	8037	8071
PT3D	25.6	25.6	25.6	25.6	25.6	25.6	25.6	26.2
PT4	66.2	66.2	66.2	66.2	66.2	66.2	66.2	68.9
TT3D	1114	1114	1114	1114	1114	1114	1114	1123
TT4	1461	1461	1461	1461	1461	1461	1461	1477
PT9	11.7	11.7	11.7	11.7	11.7	11.7	11.7	12.2
PTD	23.9	24.1	24.2	24.2	24.3	24.4	24.5	25.3
TT9	1925	1925	1925	1925	1925	1925	1925	1923
TTD	3560	3000	2750	2500	2250	2000	1758	1123
WAS/WAP	0.0352	0.0330	0.0320	0.0310	0.0299	0.0288	0.0276	0.0244
VENG	1940	1940	1940	1940	1940	1940	1940	1939
VDUCT	2618	2408	2308	2204	2094	1977	1857	1493
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
AJCDD	6.54	5.85	5.53	5.22	4.90	4.57	4.24	3.13

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ALT        75000    WASIZE        660   PT2/PT2P  0.705    WBLS          0.
MO          2.20    PAM           0.5   PT2         5.0    WBL4        2.00
VA KTS      1277    LAM           135   TT2         775    HPEXT         0.

CRUISE    MAX D/H                                          MIN D/H NOT LIT

FNT         7173     7469     7269     6650     6310     5939     4577     2040
FGT        17741    16485    15887    15267    14527    13957    12605    10657
WAT          129      129      129      129      129      129      129      129
WFT        17276    14910    13160    11510    10320     8530     6292     3176
TSFC       2.101    1.845    1.810    1.731    1.667    1.609    1.533    1.556
BPR         2.05     2.05     2.05     2.05     2.05     2.05     2.05     2.02
WAT2         468      459      468      468      469      469      468      468

N1          5197     5197     5197     5197     5197     5197     5197     5241
N2          7765     7765     7765     7765     7765     7765     7765     7775
PT3D         7.3      7.3      7.3      7.3      7.3      7.3      7.3      7.6
PT4         25.1     25.1     25.1     25.1     25.1     25.1     25.1     26.3
TT3D         899      899      899      899      899      899      899      906
TT4         1291     1291     1291     1291     1291     1291     1291     1306

PT9          4.5      4.5      4.5      4.5      4.5      4.5      4.5      4.7
PTD          6.0      6.1      6.2      6.3      6.4      6.4      6.6      7.0
TT9         1933     1933     1933     1933     1933     1933     1933     1932
TTD         3560     3300     2750     2500     2250     2000     1562      906
WAS/WAP   0.0375   0.0370   0.0358   0.0345   0.0333   0.0319   0.0305   0.0253
VENG        1963     1963     1963     1963     1963     1963     1963     1963
VDUCT       2618 [illegible]  2308     2201     2093     1876     1753     1366
AJCDF       5.21 [illegible]  5.21     5.21     5.21     5.21     5.21     5.21
AJCDD      12.56 [illegible] 10.32     9.64     8.97     8.31     7.12     4.96

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ALT        75000    WASIZE        560   PT2/PT2P  0.472    WBLS          0.
MO          2.50    PAM           0.5   PT2         7.5    WBL4        2.00
VA KTS      1461    LAM           1[illegible]   TT2         880    HPEXT         0.

CRUISE    MAX D/H                                          MIN D/H NOT LIT

FNT        11138     9162     8570     7750     6726     5350     4172     2313
FGT        21039    21112    20523    17707    15576    14038    16222    13410
WAT          158      158      158      158      158      158      158      158
WFT        22165    17020    14756    13010    11248     9564     7416     3821
TSFC       1.999    1.818    1.765    1.677    1.626    1.577    1.538    1.617
BPR         1.87     1.87     1.87     1.87     1.87     1.87     1.87     1.87
WAT2         337      337      337      337      337      337      337      337

N1          5076     5076     5076     5076     5076     5076     5076     5120
N2          7885     7885     7885     7885     7885     7885     7885     7918
PT3D        11.6     11.6     11.6     11.6     11.6     11.5     11.5     11.9
PT4         32.9     32.9     32.9     32.9     32.9     32.9     32.9     34.2
TT3D        1026     1026     1026     1026     1026     1026     1026     1031
TT4         1392     1392     1392     1392     1392     1392     1392     1407

PT9          5.9      5.9      5.9      5.9      5.9      5.9      5.9      6.1
PTD         10.3     10.5     10.6     10.6     10.7     10.8     10.9     11.3
TT9         1932     1932     1932     1932     1932     1932     1932     1931
TTD         3560     3000     2750     2500     2250     2000     1675     1031
WAS/WAP   0.0358   0.0355   0.0336   0.0323   0.0311   0.0299   0.0282   0.0265
VENG        1963     1963     1963     1963     1963     1963     1963     1962
VDUCT       2618     2608     2308     2206     2091     1977     1814     1612
AJCDF       5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDD       5.51     7.56     7.21     6.74     6.35     5.92     4.32     3.45

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ALT        75000    WASIZE        660   PT2/PT2P  0.846    WBLS          0.
MO          2.79    PAM           0.5   PT2        19.1    WBL4        1.00
VA KTS      1558    LAM           199   TT2         966    HPEXT         0.

CRUISE    MAX D/H                                          MIN D/H NOT LIT

FNT        12711    10207     9089     8155     7194     6195     5175     2387
FGT   26[illegible]    24627    23709    22775    21814    20815    19795    17007
WAT          179      179      179      179      179      179      179      179
WFT        24365    18267    15955    13868    11719    10060     8317     4243
TSFC       2.001    1.826    1.755    1.701    1.657    1.624    1.607    1.777
BPR         1.79     1.79     1.79     1.75     1.79     1.79     1.79     1.76
WAT2         354      354      354      354      354      354      354      354

N1          4943     4943     4943     4943     4943     4943     4943     5012
N2          7983     7983     7983     7983     7983     7983     7983     8014
PT3D        15.2     15.2     15.2     15.2     15.2     15.2     15.2     15.5
PT4         39.4     38.4     38.4     38.4     38.4     38.4     38.4     40.1
TT3D        1112     1112     1112     1112     1112     1112     1112     1120
TT4         1456     1456     1456     1456     1456     1456     1456     1472

PT9          6.8      6.8      6.8      6.8      6.8      6.8      6.8      7.1
PTD         14.0     14.1     14.2     14.2     14.3     14.3     14.4     14.9
TT9         1932     1932     1932     1932     1932     1932     1932     1931
TTD         3560     3200     2750     2500     2250     2000     1755     1120
WAS/WAP   0.0351   0.0329   0.0319   0.0308   0.0297   0.0286   0.0274   0.0242
VENG        1943     1943     1943     1943     1943     1943     1943     1943
VDUCT       2618     2608     2308     2204     2093     1977     1856     1491
AJCDF       5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.20
AJCDD       7.06     6.30     5.96     5.67     5.27     4.92     4.56     3.36

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ALT           0    WASIZE      640    PT2/PT2P  1.000     WBL3          0.
MO           0.    PAM        14.7    PT2        14.7     WBL4        1.00
VA KTS        0    TAM         519    TT2         519     HPEXT         C.

PART PWR

FNT       35557     33735     31794     29669     26389     22789     19920     17136
FGT       35557     33735     31794     29669     26389     22789     19920     17136
WAT         640       640       640       640       612       574       541       506
WFT       26963     24265     21947     19765     17049     14562     12620     10903
TSFC      0.759     0.719     0.690     0.666     0.647     0.639     0.634     0.636
BPR        1.29      1.35      1.40      1.47      1.56      1.64      1.69      1.7?
WAT2        640       640       640       640       612       574       541       506

N1         5931      5473      5813      5753      5435      5059      4817      4587
N2         7717      7691      7769      7636      7553      7400      7217      7056
PT3D       40.9      38.2      35.4      33.5      31.4      29.7      28.1      26.2
PT4       179.0     171.7     164.6     156.7     141.5     125.8     114.2     103.6
TT3D        735       715       698       681       670       657       644       632
TT4        1138      1120      1102      1069      1051      1015       986       958

PT9        32.5      31.0      29.5      28.0      25.1      23.0      21.4      20.2
PTD        37.5      36.6      33.7      30.5      29.5      28.0      26.4      24.7
TT9        1949      1907      1831      1753      1678      1612      1546      1484
TTD         735       716       698       681       670       657       644       631
WAS/WAP  0.0316    0.0307    0.0300    0.0291    0.0286    0.0260    0.0275    0.0270
VENG       1959      1931      1892      1853      1714      1529      1384      1268
VOUCT      1212      1197      1182      1167      1157      1147      1092      1023
AJCDE      5.21      5.21      5.21      5.20      5.21      5.20      5.20      5.20
AJCDD      3.24      3.50      3.83      4.25      4.27      4.27      4.27      4.27

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ALT           0    WASIZE      640    PT2/PT2P  1.000     WBL3          0.
MO           0.    PAM        14.7    PT2        14.7     WBL4        1.00
VA KTS        0    TAM         519    TT2         519     HPEXT         C.

PART PWR

FNT       14694     12106      9282      7677
FGT       14694     12106      9282      7677
WAT         472       412       380       347
WFT        9383      7913      6430      5534
TSFC      0.639     0.654     0.693     0.724
BPR        1.70      1.71      1.72      1.74
WAT2        472       412       380       347

N1         4353      4084      3662      3110
N2         6872      6617      6255      6021
PT3D       24.6      22.7      20.3      17.6
PT4        94.0      83.5      70.9      57.0
TT3D        618       605       590       581
TT4         930       896       854       824

PT9        19.2      18.3      17.3      16.8
PTD        23.2      21.6      19.9      17.0
TT9        1423      1367      1325      1312
TTD         618       605       591       581
WAS/WAP  0.0266    0.0262    0.0258    0.0256
VENG       1124       997       853       768
VOUCT       954       871       770       703
AJCDE      5.21      5.20      5.21      5.20
AJCDD      4.27      4.27      4.27      4.27

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ALT           0    WASIZE      640    PT2/PT2P  1.000     WBL3          0.
MO         0.20    PAM        14.7    PT2        15.1     WBL4        3.00
VA KTS      132    TAM         519    TT2         523     HPEXT         0.

PART PWR

FNT       32157     30197     28219     26072     22829     19567     16908     14349
FGT       36616     34726     32748     30559     27143     23625     20747     17746
WAT         653       653       653       652       622       585       553       518
WFT       26221     23969     21899     19956     17182     14757     12819     11080
TSFC      0.917     0.793     0.776     0.762     0.753     0.754     0.758     0.772
BPR        1.29      1.35      1.41      1.48      1.57      1.65      1.69      1.70
WAT2        637       637       637       637       607       571       540       506

N1         5929      5860      5759      5738      5407      5056      4828      4606
N2         8003      7901      7800      7697      7563      7409      7244      7062
PT3D       41.7      38.9      36.1      33.2      32.1      30.5      28.8      27.0
PT4       192.2     174.6     167.9     159.1     143.1     127.9     116.5     105.8
TT3D        738       719       702       685       674       662       649       636
TT4        1162      1124      1106      1087      1054      1019       991       963

PT9        33.0      31.5      30.0      28.4      25.6      23.2      21.7      20.4
PTD        40.2      37.1      34.3      31.3      30.2      28.7      27.1      25.4
TT9        1998      1909      1830      1752      1675      1610      1544      1480
TTD         738       719       702       685       673       662       648       636
WAS/WAP  0.0313    0.0306    0.0299    0.0292    0.0285    0.0279    0.0274    0.0269
VENG       1970      1931      1892      1852      1728      1549      1403      1267
VOUCT      1215      1199      1185      1171      1161      1151      1119      1051
AJCDE      5.21      5.21      5.21      5.21      5.21      5.20      5.20      5.20
AJCDD      3.25      3.53      3.85      4.27      4.27      4.27      4.27      4.27

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ALT           0    WASIZE      640    PT2/PT2P  1.000     WBL3          C.
MO         0.20    PAM        14.7    PT2        15.1     WBL4        3.00
VA KTS      132    TAM         519    TT2         523     HPEXT         C.

PART PWR

FNT       12119      9535      7155      4654
FGT       15489     12939     10467      6259
WAT         486       447       397       331
WFT        9551      8093      6631      5090
TSFC      0.788     0.823     0.896     [illegible]
BPR        1.72      1.72      1.74      1.76
WAT2        474       437       387     [illegible]

N1         4379      4128      3745      3244
N2         6880      6641      6335      5702
PT3D       25.1      23.6      21.7     [illegible]
PT4        96.3      86.1      74.0     [illegible]
TT3D        624       610       596     [illegible]
TT4         935       904       864     [illegible]

PT9        19.4      18.5      17.5      16.5
PTD        23.9      22.3      20.6     [illegible]
TT9        1419      1363      1316      1271
TTD         623       610       596       575
WAS/WAP  0.0265    0.0260    0.0256    0.0253
VENG       1144      1019       879       711
VOUCT       984       905       819       679
AJCDE      5.20      5.20      5.21      5.21
AJCDD      4.27      4.27      4.27      4.27

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ALT           0    WASIZE      64C    PT2/PT2P  1.CCO     WBL3          0.
MO         0.40    PAM        14.7    PT2        16.4     WBL4        3.00
VA KTS      265    TAM         519    TT2         535     HPEXT         C.

PART PWR

FNT       30205     28138     26011     23537     20355     17603     15104     12746
FGT       39795     37728     35601     33017     29383     26193     23263     20451
WAT         691       691       691       683       650       619       588       555
WFT       27191     24776     22635     20332     17608     15353     13382     11619
TSFC      0.900     0.880     0.870     0.864     0.865     0.872     0.886     0.912
BPR        1.31      1.38      1.45      1.53      1.62      1.67      1.71      1.73
WAT2        629       629       629       671       592       563       535       505

N1         5896      5819      5751      5627      5311      5056      4853      4653
N2         8040      7932      7830      7719      7579      7432      7264      7082
PT3D       44.1      41.0      38.0      35.5      34.2      32.8      31.1      29.7
PT4       191.6     182.9     174.4     163.8     147.5     134.5     123.1     112.6
TT3D        747       728       710       695       685       675       663       651
TT4        1155      1135      1117      1094      1061      1037      1005       979

PT9        34.7      33.0      31.3      29.3      26.3      24.1      22.5      21.1
PTD        42.5      39.2      36.0      33.4      32.2      30.8      29.2      27.5
TT9        1987      1909      1831      1753      1678      1606      1537      1472
TTD         747       728       71C       696       685       675       663       651
WAS/WAP  0.0310    0.0302    0.0295    0.0285    0.0282    0.0277    0.0271    0.0267
VENG       1969      1931      1892      1853      1770      1605      1460      1325
VOUCT      1222      1207      1192      1179      1170      1162      1152      1132
AJCDE      5.21      5.21      5.2C      5.21      5.2C      5.20      5.21      5.20
AJCDD      3.30      3.60      3.96      4.27      4.27      4.27      4.27      4.27

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ALT           0    WASIZE      640    PT2/PT2P  1.000     WBL3          0.
MO         0.40    PAM        14.7    PT2        16.4     WBL4        3.00
VA KTS      265    TAM         519    TT2         535     HPEXT         0.

PART PWR

FNT       10649      8623      6471      4422      2521
FGT       17917     15419     12669      9945      7264
WAT         524       490       447       398       342
WFT       10034      8588      7131      5754      4491
TSFC      0.942     0.996     1.102     1.3C1     1.781
BPR        1.75      1.76      1.79      1.84      1.85
WAT2        476       445       406       362       311

N1         4444      4227      3915      3482      2950
N2         6897      6697      6427      6117      5750
PT3D       27.5      25.7      23.8      21.9      20.C
PT4       107.8      93.3      81.8      69.3      55.4
TT3D        639       626       612       598       583
TT4         952       924       889       846       755

PT9        20.0      19.1      18.1      17.2      16.4
PTD        25.9      24.2      22.5      20.8      19.1
TT9        1409      1348      1296      1252      1216
TTD         639       626       613       597       583
WAS/WAP  0.0262    0.0258    0.0253    0.0247    0.0245
VENG       1201      1081       949       805       668
VOUCT      1071      1001       918       825       714
AJCDE      5.20      5.2C      5.20      5.20      5.21
AJCDD      4.27      4.27      4.27      4.27      4.27

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ALT        5000     WASIZE       640    PT2/PT2P  1.000     WRL3        0.
MO        [illegible] PAM        12.2    PT2        12.6     WRL4     1.00
VA KTS    [illegible] TAM         501    TT2         505     HPEXT       0.

PART PWR

FNT        28227    26714    25095    23332    20421    18215    15467    11200
FGT   [illegible]   30556    26232    27174    24641    21535    18781    16317
WAT   [illegible] [illegible] [illegible] 563    544      526      486      457
WFT        22915    21038    19169    17631    15567    13317    11563     9106
TSFC  [illegible]   0.748 [illegible]   0.756    0.746    0.739    0.741    0.750
BPR         1.22     1.33     1.38     1.44     1.51     1.61 [illegible] [illegible]
WAT2         650      650      650      650 [illegible] [illegible] [illegible] 527

N1          5968 [illegible]  5853     5806     5540     5190 [illegible]  4560
N2          7362 [illegible]  7747     7647     7527     7381 [illegible]  7052
PT30        35.9     33.7     31.3     29.7     27.6     26.3 [illegible]  23.4
PT4   [illegible]   151.7    145.8    139.5    128.6    114.3    102.9     93.3
TT30         722      704      687      670      658      647      635      622
TT4         1122     1106     1057     1070     1043     1008      976      568

PT9         28.7     27.6     26.2     25.0     22.5     20.5 [illegible]  17.6
PTD         34.7     32.3     29.8     27.0     25.8     24.8     23.6     22.0
TT9   [illegible]    1910     1831     1754     1677     1605     1538     1473
TTD          722      704      687      670      659      647      636      621
WAS/WAP   0.0318   0.0311   0.0304   0.0297   0.0290   0.0283   0.0278   0.0272
VENG        1970     1932     1893     1851     1813     1696     1469     1327
VDUCT       1202     1187     1172     1157     1148     1136     1128     1073
AJCDE       5.21     5.21     5.21     5.20     5.21     5.20     5.20     5.20
AJCDD       3.21     3.45     3.76     4.16     4.27     4.27     4.27     4.27

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ALT        5000     WASIZE       640    PT2/PT2P  1.000     WRL3        0.
MO          .20     PAM         12.2    PT2        12.6     WRL4     1.00
VA KTS      130     TAM          501    TT2         505     HPEXT       0.

PART PWR

FNT        11324     9232     7208     5264     2910
FGT        14714    11965     9621     7326     4653
WAT          427      397      366 [illegible]   264
WFT         5516 [illegible] [illegible] [illegible] [illegible]
TSFC  [illegible]   0.788    0.860 [illegible]  1.268
BPR         1.71     1.72     1.73     1.76     1.78
WAT2         443      458      415 [illegible] [illegible]

N1          4433     4198     3839     3407     2692
N2          6857     6672     6345     6037     5527
PT30        21.9 [illegible]  17.8     17.2     15.3
PT4         88.5     76.6 [illegible]  55.6     41.4
TT30         631      576      583      567      550
TT4          920      841      856      810      766

PT9         16.6     15.8     15.0     14.2     11.4
PTD         20.6     19.3     17.8     15.6     15.9
TT9         1511     1351     1279     1261     1264
TTD          613      547      582      568      550
WAS/WAP   0.0268   0.0263   0.0255   0.0255   0.0252
VENG        1134     1073      960      786      517
VDUCT       1096      934      868      737      588
AJCDE       5.20     5.19     5.20     5.20 [illegible]
AJCDD       4.27     4.27     4.27     4.27     4.27

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ALT        5000     WASIZE       640    PT2/PT2P  1.000     WRL3        0.
MO         0.40     PAM         12.7    PT2        13.7     WRL4     3.00
VA KTS      263     TAM          531    TT2         517     HPEXT       0.

PART PWR

FNT        26785    25131    23374    21475    18822    16139    13476    11757
FGT        36925    33270    31513    29618    26617    23535    20904    18394
WAT          597      597      597      597      572      542      515 [illegible]
WFT        23469    21914    20115    18307    15947    13743    11947    10351
TSFC       0.876    0.873    0.861    0.852    0.847    0.852    0.861    0.880
BPR         1.27     1.34     1.40     1.47     1.55     1.64     1.69     1.72
WAT2         661      661      661      661      614      583      554      523

N1          5939     5875     5817     5765     5451     5133     4898     4692
N2          7893     7862     7780     7675     7548     7402     7247     7079
PT30        38.0     35.5     32.3     30.3     29.3     28.1     26.8     25.3
PT4   [illegible] [illegible] 153.2    146.1    132.5    118.9    109.4     98.8
TT30         732      714      696      679      668      659      648      636
TT4         1135     1117     1099     1081     1050     1017      969      962

PT9         30.2     28.9     27.5     26.1     23.6     21.2     19.5     18.2
PTD         36.7     34.1     31.3     28.5     27.5     26.5     25.2     23.8
TT9         1947     1910     1831     1753     1677     1603     1533     1466
TTD          732      714      696      679      668      659      648      636
WAS/WAP   0.0315   0.0308   0.0301   0.0294   0.0287   0.0280   0.0275   0.0270
VENG        1970     1932     1893     1853     1814     1683     1525     1383
VDUCT       1210     1195     1180     1166     1156     1149     1138     1128
AJCDE       5.21     5.21     5.21     5.21     5.21     5.20     5.21     5.20
AJCDD       3.25     3.51     3.84     4.24     4.27     4.27     4.27     4.27

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ALT        5000     WASIZE       640    PT2/PT2P  1.000     WRL3        0.
MO         0.40     PAM         12.2    PT2        13.7     WRL4     3.00
VA KTS      263     TAM          501    TT2         517     HPEXT       0.

PART PWR

FNT         9958     8061     6394     4445     2725
FGT        16112    13956    11733     9316     6950
WAT          452      431      398      357      310
WFT         8061     7667     6455     5244     4116
TSFC       0.938    0.949    1.026    1.176    1.510
BPR         1.74     1.75     1.77     1.81     1.87
WAT2         493      463      428      383      333

N1          4430     4273     4225     3633     3111
N2          6885     6695     6461     6180     5817
PT30        23.7     22.2     20.6     19.0     17.3
PT4         90.1     81.9     73.1 [illegible]  51.4
TT30         624      611      598      584      565
TT4          935      908      874      838      783

PT9         17.2     16.3     15.5     14.6     13.9
PTD         22.3     20.9     19.5     18.0     16.5
TT9         1401     1339     1282     1235     1198
TTD          624      612      598      584      569
WAS/WAP   0.0265   0.0260   0.0256   0.0251 [illegible]
VENG        1250     1129     1002      862      716
VDUCT       1083     1022      946      854      745
AJCDE       5.21     5.17     5.20     5.20     5.21
AJCDD       4.27     4.27     4.27     4.27     4.27

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ALT        5000     WASIZE       640    PT2/PT2P  1.000     WRL3        0.
MO         0.60     PAM         12.2    PT2        15.6     WRL4     3.00
VA KTS      393     TAM          501    TT2         537     HPEXT       0.

PART PWR

FNT        26374    24666    22497    20195    17398    15097    13025    11033
FGT        39785    37657    35888    33385    29967    27138    24562    22021
WAT          655      655      655      645      614      589      564      537
WFT        25667    23356    21335    19107    16568    14521    12728    11108
TSFC       0.972    0.955    0.948    0.946    0.952    0.962    0.977    1.007
BPR         1.32     1.39     1.46     1.54     1.62     1.68     1.72     1.75
WAT2         628      628      628      615      585      564      541      515

N1          5947     5809     5742     5601     5292     5074     4903     4736
N2          8039     7932     7829     7717     7577     7432     7271     7096
PT30        41.4     38.7     35.8     33.6     32.4     31.3     30.0     28.5
PT4        180.9    172.5    164.4    153.9    139.8    127.4    117.5    108.3
TT30         748      728      711      698      686      678      669      658
TT4         1156     1136     1117     1094     1061     1035     1010      985

PT9         32.7     31.1     29.5     27.5     24.7     22.6     20.8     19.4
PTD         40.0     37.0     34.0     31.6     30.5     29.4     28.2     26.8
TT9         1999     1910     1831     1754     1675     1602     1528     1456
TTD          748      728      711      697      688      678      668      658
WAS/WAP [illegible] 0.0302  0.0295   0.0288   0.0282   0.0276   0.0271   0.0266
VENG        1970     1932     1893     1953     1914     1771     1619     1476
VDUCT       1222     1207     1192     1180     1172     1164     1156     1147
AJCDE       5.21     5.21     5.20     5.21     5.20     5.20     5.20     5.21
AJCDD       3.33     3.63     3.99 [illegible]  4.27     4.27     4.27     4.27

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ALT        5000     WASIZE       640    PT2/PT2P  1.000     WRL3        0.
MO         0.60     PAM         12.2    PT2        15.6     WRL4     1.00
VA KTS      390     TAM          501    TT2         537     HPEXT       0.

PART PWR

FNT         9216     7468 [illegible]
FGT        19655    17336    16206
WAT          519      482      468
WFT         9621     8256     7622
TSFC  [illegible]   1.105    1.149
BPR         1.77     1.80     1.81
WAT2         489      462      443

N1          4549     4355     4256
N2          6911     6715     6616
PT30        27.0     25.5     24.6
PT4         99.3 [illegible]  86.3
TT30         647      635      629
TT4          954      933      920

PT9         18.2     17.1     16.7
PTD         25.4     23.9     23.2
TT9         1389     1326     1293
TTD          648      636      629
WAS/WAP    .0261   0.0256   0.0254
VENG        1343     1213     1152
VDUCT       .138     1128     1122
AJCDE        .20     5.20     5.20
AJCDD       4.27     4.27     4.27

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ALT        15000   WASIZE      640   PT2/PT2P  1.000   WBL3      0.
MO          0.60   PAM         8.3   PT2        10.6   WBL4      3.00
VA KTS       376   TAM         465   TT2         459   HPEXT     0.

PART PWR

FNT        20435    19194    17877    16468    14651    12606    10752     9233
FGT        29423    28462    27345    25336    23625    21348    19056    17180
WAT          490      489      480      490      465      443      421      403
WFT        19466    17920    16427    15083    13357    11515     9944     8663
TSFC       0.952    0.934    0.919    0.916    0.912    0.913    0.925    0.938
BPR         1.29     1.33     1.38     1.44     1.50     1.59     1.66     1.71
WAT2         654      654      654      654      633      604      576      549

N1          5975     5919     5871     5825     5565     5249     4963     4782
N2          7938     7924     7720     7621     7503     7364     7219     7059
PT30        30.4     29.5     26.4     24.3     23.2     22.5     21.5     20.7
PT4        133.7    129.5    123.8    119.7    109.8     98.5     89.0     81.6
TT30         715      697      680      663      652      642      633      624
TT4         1113     1096     1079     1062     1031     1003      973      948

PT9         24.3     23.3     22.3     21.3     19.4     17.3     15.8     14.4
PTD         29.3     27.4     25.2     22.9     21.8     21.1     20.3     19.5
TT9         1991     1912     1833     1755     1578     1602     1528     1452
TTD          715      697      680      663      653      642      633      624
WAS/WAP   0.0319   0.0312   0.0306   0.0299   0.0292   0.0285   0.0279   0.0273
VENG        1971     1933     1896     1854     1814     1774     1733     1695
VDUCT       1196     1181     1166     1152     1142     1135     1125     1118
AJCDE       5.21     5.21     5.21     5.21     5.21     5.21     5.20     5.21
AJCDO       3.22     3.46     3.77     4.16     4.27     4.27     4.27     4.27

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ALT        15000   WASIZE      640   PT2/PT2P  1.000   WBL3      0.
MO          0.60   PAM         8.3   PT2        10.6   WBL4      3.00
VA KTS       376   TAM         465   TT2         459   HPEXT     0.

PART PWR

FNT         7763     6425     5159     3947     3350
FGT        15315    13577    11997    10249     9412
WAT          383      363      342      320      307
WFT         7504     6464     5506     4635     4219
TSFC       0.966    1.006    1.067    1.174    1.259
BPR         1.74     1.77     1.80     1.82     1.84
WAT2         521      494      465      435      415

N1          4603     4418     4218     4005     3869
N2          6882     6695     6498     6250     6175
PT30        19.6     18.5     17.4     15.7     15.5
PT4         74.7     68.2     61.9     55.7     52.4
TT30         614      603      591      575      571
TT4          923      897      871      844      825

PT9         13.3     12.4     11.7     11.0     10.7
PTD         19.5     17.4     16.4     15.2     14.6
TT9         1381     1313     1249     1188     1159
TTD          614      603      592      579      572
WAS/WAP   0.0265   0.0263   0.0257   0.0252   0.0250
VENG        1455     1317     1184     1059      993
VDUCT       1109     1099     1068     1051     1013
AJCDE       5.21     5.21     5.20     5.20     5.20
AJCDO       4.27     4.27     4.27     4.27     4.27

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ALT        15000   WASIZE      640   PT2/PT2P  1.000   WBL3      0.
MO          0.80   PAM         8.3   PT2        12.6   WBL4      3.00
VA KTS       501   TAM         465   TT2         525   HPEXT     0.

PART PWR

FNT        21195    17666    19105    16339    14098    12129    10523     9002
FGT        35483    33964    32403    30498    27614    25007    22895    20866
WAT          544      544      544      539      514      490      471      451
WFT        21542    19680    18017    16235    14066    12239    10740     9395
TSFC       1.017    1.001    0.995    0.994    0.998    1.009    1.021    1.044
BPR         1.31     1.37     1.43     1.51     1.60     1.66     1.71     1.74
WAT2         636      636      636      630      601      573      550      527

N1          5910     5842     5780     5663     5554     5083     4914     4763
N2          7939     7993     7792     7685     7547     7403     7249     7080
PT30        34.3     32.0     29.7     27.6     26.7     25.7     24.8     23.8
PT4        150.5    144.1    137.7    129.8    116.9    106.3     98.1     90.6
TT30         736      718      700      685      675      666      657      649
TT4         1142     1123     1105     1084     1051     1022      997      974

PT9         27.3     26.0     24.7     23.2     20.9     19.9     17.3     15.9
PTD         33.1     30.6     28.1     25.9     25.2     24.2     23.3     22.4
TT9         1990     1911     1832     1755     1679     1604     1527     1451
TTD          736      718      700      695      675      666      658      649
WAS/WAP   0.0312   0.0305   0.0298   0.0291   0.0284   0.0279   0.0273   0.0268
VENG        1973     1932     1893     1854     1914     1775     1733     1690
VDUCT       1213     1198     1183     1171     1162     1156     1147     1140
AJCDE       5.21     5.20     5.21     5.21     5.21     5.20     5.21     5.20
AJCDO       3.31     3.60     3.94     4.27     4.27     4.27     4.27     4.27

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```
ALT        15000   WASIZE      640   PT2/PT2P  1.000   WBL3      0.
MO          0.80   PAM         8.3   PT2        12.6   WBL4      3.00
VA KTS       501   TAM         465   TT2         525   HPEXT     0.

PART PWR

FNT         7625     6292     4993     3793     2677     1493      913
FGT        19311    17180    15307    13517    11816    10246     8753
WAT          433      414      392      370      349      325      302
WFT         8205     7082     6073     5097     4240     3479     2786
TSFC       1.076    1.126    1.209    1.345    1.584    2.054    3.427
BPR         1.77     1.81     1.85     1.88     1.91     1.96     2.04
WAT2         506      484      459      433      406      380      353

N1          4625     4466     4287     4098     3850     3583     3257
N2          6908     6722     6520     6315     6139     5956     5738
PT30        22.8     21.8     20.8     19.4     19.2     17.0     15.8
PT4         84.0     77.1     70.2     63.8     57.2     50.9     44.3
TT30         641      632      621      610      599      587      576
TT4          951      927      901      876      849      819      785

PT9         14.7     13.6     12.6     11.9     11.1     10.5     10.0
PTD         21.5     20.5     19.4     18.3     17.1     16.0     14.9
TT9         1375     1303     1235     1171     1109     1051      998
TTD          641      631      622      610      599      586      575
WAS/WAP   0.0263   0.0258   0.0253   0.0248   0.0243   0.0238   0.0233
VENG        1544     1439     1296     1163     1037      913      789
VDUCT       1133     1124     1116     1105     1094     1084     1031
AJCDE       5.21     5.21     5.21     5.20     5.20     5.20     5.21
AJCDO       4.27     4.27     4.27     4.27     4.27     4.27     4.27

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ALT        15000   WASIZE      640   PT2/PT2P  1.000   WBL3
MO          0.90   PAM         8.3   PT2        14.0   WBL4      0
VA KTS       564   TAM         465   TT2         541   HPEXT

PART PWR

FNT        21682    19987    18103    16717    13993    12175    10545     9038
FGT        38968    37273    35509    33111    30064    27629    25400    23303
WAT          594      584      584      571      544      522      502      482
WFT        22681    20627    18844    16737    14555    12797    11249     9872
TSFC       1.046    1.032    1.030    1.032    1.041    1.051    1.067    1.092
BPR         1.36     1.41     1.48     1.56     1.64     1.69     1.73     1.76
WAT2         625      625      625      611      582      559      537      516

N1          5867     5788     5729     5540     5265     5050     4898     4759
N2          8038     7932     7830     7710     7569     7423     7262     7094
PT30        36.8     34.2     31.9     30.0     28.9     27.9     26.9     25.8
PT4        160.1    152.4    145.4    134.8    122.0    112.4    104.1     96.6
TT30         748      729      712      698      689      680      672      664
TT4         1158     1138     1119     1093     1062     1036     1012      989

PT9         29.0     27.5     26.1     24.1     21.7     19.9     18.3     16.9
PTD         35.4     32.7     30.1     28.2     27.2     26.2     25.3     24.3
TT9         1989     1911     1832     1755     1680     1603     1527     1450
TTD          748      729      712      698      689      681      672      665
WAS/WAP   0.0336   0.0300   0.0293   0.0287   0.0281   0.0275   0.0270   0.0265
VENG        1970     1932     1893     1954     1815     1774     1733     1690
VDUCT       1223     1207     1193     1182     1176     1167     1160     1153
AJCDE       5.21     5.21     5.21     5.21     5.20     5.20     5.21     5.21
AJCDO       3.38     3.69     4.05     4.27     4.27     4.27     4.27     4.27

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```
ALT        15000   WASIZE      640   PT2/PT2P  1.000   WBL3      0.
MO          0.90   PAM         8.3   PT2        14.0   WBL4      3.00
VA KTS       564   TAM         465   TT2         541   HPEXT     0.

PART PWR

FNT         7639     6283     4966     3766     2667     1680     1238
FGT        21364    19444    17496    15645    13899    12271    11505
WAT          464      445      424      402      380      358      347
WFT         8613     7437     6345     5361     4480     3692     3329
TSFC       1.127    1.184    1.278    1.423    1.680    2.187    2.690
BPR         1.79     1.83     1.87     1.90     1.94     1.98     2.01
WAT2         496      476      453      430      406      383      371

N1          4625     4474     4313     4139     3922     3670     3537
N2          6917     6732     6533     6339     6174     6017     5931
PT30        24.8     23.8     22.7     21.5     20.3     19.0     18.5
PT4         89.6     82.5     75.4     68.6     62.1     55.9     52.8
TT30         656      647      638      628      618      607      601
TT4          967      943      919      894      866      840      826

PT9         15.6     14.4     13.3     12.4     11.6     11.0     10.7
PTD         23.4     22.4     21.3     20.2     19.1     17.9     17.4
TT9         1376     1303     1230     1163     1099     1038     1008
TTD          656      647      637      628      618      607      601
WAS/WAP   0.0260   0.0255   0.0250   0.0245   0.0240   0.0236   0.0233
VENG        1646     1512     1367     1230     1059      978      917
VDUCT       1146     1138     1129     1121     1112     1102     1097
AJCDE       5.21     5.20     5.20     5.20     5.20     5.20     5.20
AJCDO       4.27     4.27     4.27     4.27     4.27     4.27     4.27

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ALT        36150    WASIZE       640    PT2/PT2P  1.000    WBL3          0.
MO          0.60    PAM          3.3    PT2         4.2    WBL4        3.00
VA KTS       344    TAM          390    TT2         418    HPEXT         0.

PART PWR

FNT         8880     8354     7777     7157     6531     5715     4748     3945
FGT        12739    12273    11696    11063    10324     9346     8170     7177
WAT          217      217      217      216      210      201      190      179
WFT         7957     7409     6754     6176     5564     4847     4067     3457
TSFC       0.896    0.887    0.868    0.863    0.852    0.849    0.857    0.876
BPR         1.31     1.35     1.37     1.43     1.44     1.49     1.60     1.67
WAT2         686      686      686      682      661      634      597      564

N1          5873     5853     5749     5731     5455     5122     4763     4489
N2          7494     7356     7228     7119     7016     6887     6761     6590
PT30        12.5     11.7     10.8      9.9      9.5      9.2      8.8      8.4
PT4         56.1     54.1     52.2     50.1     47.3     43.2     37.8     33.8
TT30         609      594      579      565      557      547      537      528
TT4          975      958      941      924      901      874      840      811

PT9         10.2      9.8      9.4      9.0      8.4      7.6      6.7      6.0
PT0         12.1     11.3     10.2      9.3      9.0      8.6      8.3      7.9
TT9         1831     1751     1675     1597     1515     1443     1369     1296
TT0          608      594      575      565      557      548      537      528
WAS/WAP   0.0331   0.0322   0.0315   0.0309   0.0302   0.0295   0.0286   0.0279
VENG        1893     1853     1812     1771     1729     1686     1644     1569
VDUCT       1104     1091     1076     1063     1056     1048     1037     1028
AJCDE       5.20     5.21     5.21     5.20     5.21     5.21     5.21     5.19
AJCDO       3.27     3.53     3.87     4.27     4.27     4.27     4.27     4.27

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ALT        36150    WASIZE       640    PT2/PT2P  1.000    WBL3          0.
MO          0.60    PAM          3.3    PT2         4.2    WBL4        3.00
VA KTS       344    TAM          390    TT2         418    HPEXT         0.

PART PWR

      ***HIGH COMPRESSOR AIRBLEED EXCEEDED 5 PER CENT  ON CASE2***

FNT         3166
FGT         6328
WAT          170
WFT         2952
TSFC       0.934
BPR         1.71
WAT2         534

N1          4298
N2          6616
PT30         7.9
PT4         30.6
TT30         518
TT4          756

PT9          5.4
PT0          7.3
TT9         1224
TT0          518
WAS/WAP   0.0273
VENG        1435
VDUCT       1018
AJCDE       5.20
AJCDO       4.27
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ALT        36150    WASIZE       640    PT2/PT2P  1.000    WBL3          0.
MO          0.80    PAM          3.3    PT2         5.0    WBL4        3.00
VA KTS       459    TAM          390    TT2         440    HPEXT         0.

PART PWR

FNT         9695     9061     8362     7702     6887     5873     4888     4129
FGT        15799    15153    14464    13564    12644    11346    10050     9044
WAT          253      253      253      249      239      227      214      204
WFT         9230     8581     7831     7127     6336     5425     4593     3953
TSFC       0.952    0.947    0.936    0.925    0.920    0.924    0.940    0.957
BPR         1.35     1.38     1.43     1.44     1.47     1.55     1.65     1.70
WAT2         686      686      686      670      647      615      580      552

N1          6036     5971     5938     5890     5392     5053     4725     4522
N2          7562     7440     7334     7225     7112     6976     6828     6672
PT30        14.2     13.1     11.9     11.5     11.1     10.7     10.3      9.8
PT4         65.5     63.7     60.8     57.9     54.0     49.2     42.7     39.8
TT30         628      612      597      585      580      570      560      552
TT4         1011      994      979      955      931      900      867      842

PT9         11.9     11.4     10.9     10.4      9.6      8.5      7.5      6.8
PT0         13.6     12.5     11.2     10.9     10.5     10.1      9.7      9.2
TT9         1956     1778     1699     1622     1545     1469     1395     1320
TT0          628      612      597      590      581      570      560      552
WAS/WAP   0.0323   0.0316   0.0309   0.0303   0.0297   0.0289   0.0282   0.0276
VENG        1909     1865     1825     1784     1742     1701     1658     1614
VDUCT       1121     1107     1097     1086     1078     1068     1059     1052
AJCDE       5.21     5.21     5.21     5.20     5.21     5.21     5.21     5.20
AJCDO       3.50     3.81     4.23     4.27     4.27     4.27     4.27     4.27

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ALT        36150    WASIZE       640    PT2/PT2P  1.000    WBL3          0.
MO          0.80    PAM          3.3    PT2         5.0    WBL4        3.00
VA KTS       459    TAM          390    TT2         440    HPEXT         0.

PART PWR

      ***HIGH COMPRESSOR AIRBLEED EXCEEDED 5 PER CENT  ON CASE4***

FNT         3444     2802     2184
FGT         8130     7255     6385
WAT          195      185      174
WFT         3401     2906     2446
TSFC       0.987    1.037    1.120
BPR         1.74     1.77     1.81
WAT2         526      500      472

N1          4363     4204     4019
N2          6475     6308     6059
PT30         9.4      8.9      8.4
PT4         35.4     32.2     29.0
TT30         544      535      525
TT4          818      795      769

PT9          6.2      5.6      5.2
PT0          8.8      8.4      7.7
TT9         1244     1171     1103
TT0          544      535      525
WAS/WAP   0.0270   0.0264   0.0258
VENG        1569     1423     1268
VDUCT       1044     1035     1025
AJCDE       5.21     5.20     5.20             OCT  4, 1964
AJCDO       4.27     4.27     4.27
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ALT        36150    WASIZE       640    PT2/PT2P  1.000    WBL3          0.
MO          0.90    PAM          3.3    PT2         5.6    WBL4        3.00
VA KTS       516    TAM          390    TT2         453    HPEXT         0.

PART PWR

FNT        10689    10009     9272     8545     7717     6666     5588     4733
FGT        18186    17507    16769    15920    14855    13460    12026    10853
WAT          277      277      277      272      264      252      238      224
WFT        10516     9757     8972     8202     7353     6359     5398     4647
TSFC       0.984    0.975    0.968    0.959    0.953    0.954    0.966    0.982
BPR         1.34     1.37     1.42     1.43     1.46     1.53     1.63     1.69
WAT2         685      685      685      673      652      622      588      559

N1          6096     6050     6019     5821     5533     5201     4868     4496
N2          7688     7565     7458     7351     7242     7112     6965     6812
PT30        15.9     14.8     13.5     12.9     12.4     12.0     11.5     11.0
PT4         73.0     70.5     68.0     65.0     61.0     55.1     48.8     44.2
TT30         648      633      617      608      599      589      580      571
TT4         1042     1025     1008      987      964      934      901      874

PT9         13.3     12.8     12.3     11.7     10.9      9.8      8.6      7.8
PT0         15.2     14.1     12.7     12.1     11.7     11.3     10.9     10.4
TT9         1916     1838     1759     1682     1605     1529     1454     1379
TT0          649      633      617      608      599      589      579      572
WAS/WAP   0.0324   0.0317   0.0310   0.0304   0.0298   0.0291   0.0284   0.0277
VENG        1935     1894     1856     1816     1775     1734     1692     1649
VDUCT       1139     1125     1112     1103     1095     1086     1077     1070
AJCDE       5.21     5.21     5.21     5.20     5.20     5.21     5.21     5.20
AJCDO       3.46     3.75     4.13     4.27     4.27     4.27     4.27     4.27

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ALT        36150    WASIZE       640    PT2/PT2P  1.000    WBL3          0.
MO          0.90    PAM          3.3    PT2         5.6    WBL4        3.00
VA KTS       516    TAM          390    TT2         453    HPEXT         0.

PART PWR

      ***HIGH COMPRESSOR AIRBLEED EXCEEDED 5 PER CENT  ON CASE6***

FNT         4003     3314     2684     2056     1491
FGT         9856     8894     8011     7087     6219
WAT          216      206      197      186      175
WFT         4020     3460     2951     2473     2049
TSFC       1.004    1.044    1.099    1.203    1.388
BPR         1.73     1.76     1.80     1.85     1.89
WAT2         535      510      487      460      432

N1          4477     4328     4176     4001     3816
N2          6645     6463     6274     6059     5893
PT30        10.6     10.1      9.6      9.1      8.5
PT4         40.4     37.0     33.8     30.4     27.2
TT30         563      555      547      537      527
TT4          850      827      804      779      756

PT9          7.1      6.5      5.9      5.3      4.9
PT0          9.9      9.5      9.0      8.6      8.0
TT9         1303     1228     1154     1083     1018
TT0          563      555      546      537      528
WAS/WAP   0.0271   0.0265   0.0259   0.0254   0.0248
VENG        1604     1559     1460     1298     1151              OCT  4, 1964
VDUCT       1062     1054     1046     1037     1028
AJCDE       5.21     5.21     5.20     5.21     5.20
AJCDO       4.27     4.27     4.27     4.27     4.27
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PERFORMANCE WITH HORSEPOWER EXTRACTION AND NO AIRBLEED

Pages	TAMB	Power Setting	Flow Schedule
B-D98	STD. Day	Take-Off	Base
B-D99 to B-D106	STD. Day	Max Thrust	Base
B-D107 to B-D108	STD. Day	Max Thrust	High
B-D109 to B-D110	STD. Day	Max Thrust	Low
B-D111 to B-D112	STD. Day	Cruise	Base
B-D113 to B-D114	STD. Day	Cruise	High
B-D115 to B-D116	STD. Day	Cruise	Low
B-D117 to B-D120	STD. Day	Part Power	Base

ALT	0	WASIZE	640	PT2/PT2P	1.000	WBL3	0.
MO	0.	PAM	14.7	PT2	14.7	WBL4	0.
VA KTS	0	TAM	519	TT2	519	HPEXT	500.0

TAKE OFF MAX D/H MIN D/H NOT LIT

FNT	55584	52352	50831	49249	47599	45847	41190	35707
FGT	55584	52352	50831	49249	47599	45847	41190	35707
WAT	640	640	640	640	640	640	640	640
WFT	102321	82748	74834	67458	60726	54326	40357	26993
TSFC	1.841	1.581	1.472	1.370	1.276	1.185	0.980	0.756
BPR	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.31
WAT2	640	640	640	640	640	640	640	640
N1	5893	5893	5893	5893	5893	5893	5893	5941
N2	7923	7923	7923	7923	7923	7923	7923	7941
PT3D	39.1	39.1	39.1	39.1	39.1	39.1	39.1	41.0
PT4	172.6	172.6	172.6	172.6	172.6	172.6	172.6	179.1
TT3D	722	722	722	722	722	722	722	735
TT4	1122	1122	1122	1122	1122	1122	1122	1137
PT9	31.4	31.4	31.4	31.4	31.4	31.4	31.4	32.5
PTD	34.7	35.4	35.7	35.9	36.2	36.5	37.0	39.5
TT9	1989	1989	1989	1989	1989	1989	1989	1988
TTD	3560	3000	2750	2500	2250	2000	1404	735
WAS/WAP	0.0472	0.0445	0.0432	0.0415	0.0406	0.0392	0.0357	0.0314
VENG	1970	1970	1970	1970	1970	1970	1970	1970
VDUCT	2617	2407	2307	2203	2093	1976	1664	1212
AJCDE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.21
AJCDD	9.19	8.12	7.65	7.18	6.71	6.24	5.06	3.26

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ALT	0	WASIZE	640	PT2/PT2P	1.000	WBL3	0.
MO	0.20	PAM	14.7	PT2	15.1	WBL4	0.
VA KTS	132	TAM	519	TT2	523	HPEXT	500.0

TAKE OFF MAX D/H MIN D/H NOT LIT

FNT	52461	49329	47761	46130	44421	42627	37851	32438
FGT	57190	53858	52290	50659	48950	47155	42377	36766
WAT	653	653	653	653	653	653	653	653
WFT	95877	80732	72985	65771	59184	52921	39901	28249
TSFC	1.827	1.637	1.528	1.426	1.332	1.241	1.058	0.814
BPR	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.32
WAT2	637	637	637	637	637	637	637	637
N1	5879	5879	5879	5879	5879	5879	5879	5930
N2	7935	7935	7935	7935	7935	7935	7935	7954
PT3D	39.8	39.8	39.8	39.8	39.8	39.8	39.8	41.7
PT4	175.5	175.5	175.5	175.5	175.5	175.5	175.5	182.4
TT3D	725	725	725	725	725	725	725	738
TT4	1126	1126	1126	1126	1126	1126	1126	1142
PT9	32.0	32.0	32.0	32.0	32.0	32.0	32.0	33.1
PTD	35.2	35.9	36.2	36.5	36.8	37.0	37.5	40.2
TT9	1990	1990	1990	1990	1990	1990	1990	1988
TTD	3560	3000	2750	2500	2250	2000	1406	738
WAS/WAP	0.0470	0.0443	0.0431	0.0418	0.0405	0.0391	0.0356	0.0312
VENG	1971	1971	1971	1971	1971	1971	1971	1970
VDUCT	2617	2407	2307	2203	2093	1976	1666	1215
AJCDE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.21
AJCDD	9.25	8.17	7.70	7.23	6.76	6.28	5.09	3.28

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ALT	0	WASIZE	640	PT2/PT2P	1.000	WBL3	0.
MO	0.40	PAM	14.7	PT2	16.4	WBL4	0.
VA KTS	265	TAM	519	TT2	535	HPEXT	500.0

TAKE OFF MAX D/H MIN D/H NOT LIT

FNT	52695	49019	47290	45494	43625	41642	36486	30349
FGT	62289	58609	56880	55084	53215	51232	46076	39939
WAT	691	691	691	691	691	691	691	691
WFT	105005	84744	76542	68887	61908	55270	41038	27209
TSFC	1.993	1.729	1.619	1.514	1.419	1.327	1.125	0.897
BPR	1.36	1.36	1.36	1.36	1.36	1.36	1.36	1.34
WAT2	629	629	629	629	629	629	629	629
N1	5844	5844	5844	5844	5844	5844	5844	5898
N2	7968	7968	7968	7968	7968	7968	7968	7990
PT3D	42.1	42.1	42.1	42.1	42.1	42.1	42.1	44.1
PT4	184.2	184.2	184.2	184.2	184.2	184.2	184.2	191.6
TT3D	735	735	735	735	735	735	735	742
TT4	1139	1139	1139	1139	1139	1139	1139	1154
PT9	33.5	33.5	33.5	33.5	33.5	33.5	33.5	34.7
PTD	37.2	37.9	38.2	38.5	38.9	39.1	39.7	42.5
TT9	1989	1989	1989	1989	1989	1989	1989	1988
TTD	3560	3000	2750	2500	2250	2000	1415	742
WAS/WAP	0.0465	0.0438	0.0426	0.0413	0.0400	0.0386	0.0352	0.0309
VENG	1970	1970	1970	1970	1970	1970	1970	1969
VDUCT	2617	2407	2308	2203	2093	1976	1671	1222
AJCDE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.21
AJCDD	9.33	8.25	7.77	7.29	6.81	6.33	5.15	3.33

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ALT	6000	WASIZE	640	PT2/PT2P	1.000	WBL3	0.
MO	0.	PAM	11.8	PT2	11.8	WBL4	0.
VA KTS	0	TAM	497	TT2	497	HPEXT	500.0

TAKE OFF MAX D/H MIN D/H NOT LIT

FNT	47759	44976	43666	42305	40888	39386	35276	30491
FGT	47759	44976	43666	42305	40888	39386	35276	30491
WAT	536	536	536	536	536	536	536	536
WFT	83657	67757	61349	55382	49920	44738	31124	22286
TSFC	1.752	1.507	1.405	1.309	1.221	1.136	0.882	0.732
BPR	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31
WAT2	655	655	655	655	655	655	655	655
N1	5949	5949	5949	5949	5949	5949	5949	5985
N2	7849	7849	7849	7849	7849	7849	7849	7862
PT3D	32.8	32.8	32.8	32.8	32.8	32.8	32.8	34.2
PT4	145.0	145.0	145.0	145.0	145.0	145.0	145.0	150.2
TT3D	704	704	704	704	704	704	704	716
TT4	1098	1098	1098	1098	1098	1098	1098	1112
PT9	26.5	26.5	26.5	26.5	26.5	26.5	26.5	27.3
PTD	29.1	29.7	30.0	30.2	30.4	30.5	31.1	33.0
TT9	1991	1991	1991	1991	1991	1991	1991	1990
TTD	3560	3000	2750	2500	2250	2000	1397	716
WAS/WAP	0.0481	0.0454	0.0441	0.0428	0.0415	0.0401	0.0364	0.0319
VENG	1971	1971	1971	1971	1971	1971	1971	1971
VDUCT	2617	2407	2307	2201	2093	1975	1655	1197
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
AJCDD	9.13	8.07	7.60	7.13	6.67	6.20	4.99	3.22

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ALT	6000	WASIZE	640	PT2/PT2P	1.000	WBL3	0.
MO	0.20	PAM	11.8	PT2	12.1	WBL4	0.
VA KTS	130	TAM	497	TT2	501	HPEXT	500.0

TAKE OFF MAX D/H MIN D/H NOT LIT

FNT	45466	42590	41239	39876	38374	36825	32612	27647
FGT	49131	46305	44934	43551	42089	40540	36127	31362
WAT	547	547	547	547	547	547	547	547
WFT	83920	67950	61507	55512	50020	44817	33204	22309
TSFC	1.846	1.595	1.491	1.394	1.304	1.217	1.018	0.807
BPR	1.32	1.32	1.32	1.32	1.32	1.32	1.32	1.31
WAT2	652	652	652	652	652	652	652	652
N1	5938	5938	5938	5938	5938	5938	5938	5978
N2	7861	7861	7861	7861	7861	7861	7861	7875
PT3D	33.5	33.5	33.5	33.5	33.5	33.5	33.5	34.9
PT4	147.8	147.8	147.8	147.8	147.8	147.8	147.8	153.1
TT3D	707	707	707	707	707	707	707	719
TT4	1102	1102	1102	1102	1102	1102	1102	1117
PT9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	27.8
PTD	29.7	30.3	30.5	30.8	31.0	31.2	31.7	33.7
TT9	1991	1991	1991	1991	1991	1991	1991	1990
TTD	3560	3000	2750	2500	2250	2000	1390	719
WAS/WAP	0.0480	0.0452	0.0440	0.0427	0.0413	0.0399	0.0363	0.0318
VENG	1971	1971	1971	1971	1971	1971	1971	1971
VDUCT	2617	2407	2307	2203	2093	1976	1658	1159
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
AJCDD	9.14	8.08	7.61	7.15	6.68	6.21	5.09	3.23

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ALT	6000	WASIZE	640	PT2/PT2P	1.000	WBL3	0.
MO	0.40	PAM	11.8	PT2	13.2	WBL4	0.
VA KTS	259	TAM	497	TT2	513	HPEXT	500.0

TAKE OFF MAX D/H MIN D/H NOT LIT

FNT	45627	42473	40995	39460	37863	36172	31652	26270
FGT	53498	50344	48866	47330	45734	44043	39523	34145
WAT	579	579	579	579	579	579	579	579
WFT	88352	71497	64674	58320	52914	46998	34966	23323
TSFC	1.937	1.683	1.578	1.478	1.397	1.299	1.102	0.888
BPR	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.32
WAT2	644	644	644	644	644	644	644	644
N1	5904	5904	5904	5904	5904	5904	5904	5948
N2	7898	7898	7898	7898	7898	7898	7898	7915
PT3D	35.3	35.3	35.3	35.3	35.3	35.3	35.3	36.9
PT4	156.1	156.1	156.1	156.1	156.1	156.1	156.1	161.8
TT3D	717	717	717	717	717	717	717	729
TT4	1116	1116	1116	1116	1116	1116	1116	1130
PT9	28.4	28.4	28.4	28.4	28.4	28.4	28.4	29.4
PTD	31.3	31.9	32.2	32.4	32.7	32.9	33.4	35.6
TT9	1990	1990	1990	1990	1990	1990	1990	1990
TTD	3560	3000	2750	2500	2250	2000	1399	729
WAS/WAP	0.0474	0.0447	0.0435	0.0422	0.0408	0.0394	0.0359	0.0315
VENG	1971	1971	1971	1971	1971	1971	1971	1970
VDUCT	2617	2407	2307	2203	2093	1976	1662	1207
AJCDE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.21
AJCDD	9.21	8.14	7.67	7.20	6.72	6.25	5.06	3.27

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ALT         0   WASIZE     640   PT2/PT2P  1.000   WBL3        0.
MO         0.   PAM       14.7   PT2        14.7   WBL4        0.
VA KTS      0   TAM        519   TT2         519   HPEXT    500.0

MAXTHR  MAX D/H                                     MIN D/H NOT LIT

FNT       55594   52352   50831   49248   47599   45847   41190   35707
FGT       55594   52352   50831   49248   47599   45847   41190   35707
WAT         640     640     640     640     640     640     640     640
WFT      102321   82748   74834   67458   60726   54326   40357   26593
TSFC      1.841   1.581   1.472   1.370   1.275   1.185   0.980   0.756
BPR        1.33    1.33    1.33    1.33    1.33    1.33    1.33    1.21
WAT2        640     640     640     640     640     640     640     640

N1         5893    5893    5893    5893    5893    5893    5893    5941
N2         7923    7923    7923    7923    7923    7923    7923    7541
PT30       39.1    39.1    39.1    39.1    39.1    39.1    39.1    41.0
PT4       172.6   172.6   172.6   172.6   172.6   172.6   172.6   179.1
TT30        722     722     722     722     722     722     722     735
TT4        1122    1122    1122    1122    1122    1122    1122    1137

PT9        31.4    31.4    31.4    31.4    31.4    31.4    31.4    32.5
PTD        34.7    35.4    35.7    35.9    36.2    36.5    37.0    39.5
TT9        1989    1989    1989    1989    1989    1989    1989    1988
TTD        3560    3000    2750    2500    2250    2000    1404     735
WAS/WAP  0.0472  0.0445  0.0432  0.0419  0.0406  0.0392  0.0357  0.0314
VENG       1970    1970    1970    1970    1970    1970    1970    1970
VDUCT      2617    2407    2307    2203    2093    1976    1664    1212
AJCDE      5.20    5.20    5.20    5.20    5.20    5.20    5.20    5.21
AJCOD      9.18    8.12    7.65    7.18    6.71    6.24    5.06    3.28
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ALT         0   WASIZE     640   PT2/PT2P  1.000   WBL3        0.
MO       0.20   PAM       14.7   PT2        15.1   WBL4        0.
VA KTS    132   TAM        519   TT2         523   HPEXT    500.0

MAXTHR  MAX D/H                                     MIN D/H NOT LIT

FNT       52661   49329   47761   46130   44431   42626   37851   32237
FGT       57190   53858   52290   50659   48960   47155   42380   36766
WAT         653     653     653     653     653     653     653     653
WFT       99877   80732   72985   65771   59184   52921   39301   26249
TSFC      1.897   1.637   1.528   1.426   1.332   1.246   1.038   0.814
BPR        1.33    1.33    1.33    1.33    1.33    1.33    1.33    1.32
WAT2        637     637     637     637     637     637     637     637

N1         5879    5879    5879    5879    5879    5879    5879    5910
N2         7935    7935    7935    7935    7935    7935    7935    7554
PT30       39.8    39.8    39.8    39.8    39.8    39.8    39.8    41.7
PT4       175.5   175.5   175.5   175.5   175.5   175.5   175.5   182.4
TT30        725     725     725     725     725     725     725     738
TT4        1126    1126    1126    1126    1126    1126    1126    1142

PT9        32.0    32.0    32.0    32.0    32.0    32.0    32.0    33.1
PTD        35.2    35.9    36.2    36.5    36.8    37.0    37.5    40.2
TT9        1990    1990    1990    1990    1990    1990    1990    1988
TTD        3560    3000    2750    2500    2250    2000    1406     738
WAS/WAP  0.0470  0.0443  0.0431  0.0418  0.0405  0.0391  0.0356  0.0313
VENG       1971    1971    1971    1971    1971    1971    1971    1970
VDUCT      2617    2407    2307    2203    2093    1976    1666    1215
AJCDE      5.20    5.20    5.20    5.20    5.20    5.20    5.20    5.21
AJCOD      9.25    8.17    7.70    7.23    6.76    6.28    5.09    3.28
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ALT         0   WASIZE     640   PT2/PT2P  1.000   WBL3        0.
MO       0.40   PAM       14.7   PT2        16.4   WBL4        0.
VA KTS    265   TAM        519   TT2         535   HPEXT    500.0

MAXTHR  MAX D/H                                     MIN D/H NOT LIT

FNT       52695   49019   47290   45494   43625   41642   36486   30345
FGT       62285   58609   56880   55084   53215   51232   46076   39935
WAT         691     691     691     691     691     691     691     691
WFT      105005   84746   76342   68887   61908   55270   41038   27209
TSFC      1.993   1.729   1.615   1.514   1.419   1.327   1.125   0.897
BPR        1.36    1.36    1.36    1.36    1.36    1.36    1.36    1.34
WAT2        629     629     629     629     629     629     629     629

N1         5844    5844    5844    5844    5844    5844    5844    5896
N2         7968    7968    7968    7968    7968    7968    7968    7990
PT30       42.1    42.1    42.1    42.1    42.1    42.1    42.1    44.1
PT4       184.2   184.2   184.2   184.2   184.2   184.2   184.2   191.6
TT30        735     735     735     735     735     735     735     747
TT4        1139    1139    1139    1139    1139    1139    1139    1154

PT9        33.5    33.5    33.5    33.5    33.5    33.5    33.5    34.7
PTD        37.2    37.9    38.2    38.5    38.9    39.1    39.7    42.5
TT9        1989    1989    1989    1989    1989    1989    1989    1988
TTD        3560    3000    2750    2500    2250    2000    1415     747
WAS/WAP  0.0465  0.0438  0.0426  0.0413  0.0400  0.0386  0.0352  0.0309
VENG       1970    1970    1970    1970    1970    1970    1970    1969
VDUCT      2617    2407    2308    2203    2093    1976    1671    1222
AJCDE      5.20    5.20    5.20    5.20    5.20    5.20    5.20    5.21
AJCOD      9.33    8.25    7.77    7.29    6.81    6.33    5.15    3.33
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ALT         0   WASIZE     640   PT2/PT2P  1.000   WBL3        0.
MO       0.60   PAM       14.7   PT2        18.7   WBL4        0.
VA KTS    397   TAM        519   TT2         556   HPEXT    500.0

MAXTHR  MAX D/H                                     MIN D/H NOT LIT

FNT       55263   50979   48972   46887   44722   42426   36610   29161
FGT       71026   66742   64735   62650   60485   58189   52373   44924
WAT         757     757     757     757     757     757     757     757
WFT      115039   92560   83442   74725   67167   59778   44286   28521
TSFC      2.082   1.816   1.704   1.594   1.502   1.409   1.210   0.978
BPR        1.41    1.41    1.41    1.41    1.41    1.41    1.41    1.39
WAT2        615     615     615     615     615     615     615     615

N1         5772    5772    5772    5772    5772    5772    5772    5832
N2         8018    8018    8018    8018    8018    8018    8018    8045
PT30       45.8    45.8    45.8    45.8    45.8    45.8    45.8    49.1
PT4       197.5   197.5   197.5   197.5   197.5   197.5   197.5   206.2
TT30        749     749     749     749     749     749     749     762
TT4        1157    1157    1157    1157    1157    1157    1157    1173

PT9        35.8    35.8    35.8    35.8    35.8    35.8    35.8    37.3
PTD        40.3    41.1    41.4    41.8    42.1    42.4    43.0    46.1
TT9        1989    1989    1989    1989    1989    1989    1989    1988
TTD        3560    3000    2750    2500    2250    2000    1429     762
WAS/WAP  0.0457  0.0431  0.0418  0.0406  0.0393  0.0379  0.0346  0.0303
VENG       1970    1970    1970    1970    1970    1970    1970    1969
VDUCT      2617    2407    2308    2203    2093    1976    1678    1234
AJCDE      5.21    5.21    5.21    5.21    5.21    5.21    5.21    5.21
AJCOD      9.58    8.47    7.98    7.48    6.99    6.49    5.31    3.44
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ALT         0   WASIZE     640   PT2/PT2P  1.000   WBL3        0.
MO       0.70   PAM       14.7   PT2        20.4   WBL4        0.
VA KTS    463   TAM        519   TT2         565   HPEXT    500.0

MAXTHR  MAX D/H                                     MIN D/H NOT LIT

FNT       57543   52832   50627   48338   45963   43445   37180   29397
FGT       77011   72300   70095   67806   65431   62913   56648   48865
WAT         802     802     802     802     802     802     802     802
WFT      121797   97792   88046   78937   70634   62738   46410   29914
TSFC      2.117   1.851   1.739   1.633   1.537   1.444   1.248   1.018
BPR        1.45    1.45    1.45    1.45    1.45    1.45    1.45    1.42
WAT2        606     606     606     606     606     606     606     606

N1         5727    5727    5727    5727    5727    5727    5727    5779
N2         8049    8049    8049    8049    8049    8049    8049    8074
PT30       48.5    48.5    48.5    48.5    48.5    48.5    48.5    50.6
PT4       205.9   205.9   205.9   205.9   205.9   205.9   205.9   214.7
TT30        759     759     759     759     759     759     759     770
TT4        1168    1168    1168    1168    1168    1168    1168    1184

PT9        37.3    37.3    37.3    37.3    37.3    37.3    37.3    38.9
PTD        42.9    43.3    43.7    44.1    44.5    44.8    45.4    48.5
TT9        1988    1988    1988    1988    1988    1988    1988    1988
TTD        3560    3000    2750    2500    2250    2000    1437     770
WAS/WAP  0.0451  0.0426  0.0414  0.0401  0.0388  0.0374  0.0342  0.0259
VENG       1970    1970    1970    1970    1970    1970    1970    1970
VDUCT      2617    2407    2309    2203    2093    1976    1683    1241
AJCDE      5.21    5.21    5.21    5.21    5.21    5.21    5.21    5.20
AJCOD      9.73    8.59    8.09    7.59    7.09    6.58    5.40    3.52
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ALT     15000   WASIZE     640   PT2/PT2P  1.000   WBL3        0.
MO       0.20   PAM        8.3   PT2         8.5   WBL4        0.
VA KTS    125   TAM        465   TT2         469   HPEXT    500.0

MAXTHR  MAX D/H                                     MIN D/H NOT LIT

FNT       35475   33236   32188   31096   29957   28758   25331   21319
FGT       38178   35939   34891   33799   32660   31461   28034   24022
WAT         411     411     411     411     411     411     411     411
WFT       63756   51703   46865   42380   38241   34331   25238   17020
TSFC      1.797   1.556   1.456   1.363   1.277   1.194   0.996   0.798
BPR        1.32    1.32    1.32    1.32    1.32    1.32    1.32    1.32
WAT2        674     674     674     674     674     674     674     674

N1         6030    6030    6030    6030    6030    6030    6030    6062
N2         7746    7746    7746    7746    7746    7746    7746    7752
PT30       25.1    25.1    25.1    25.1    25.1    25.1    25.1    26.1
PT4       111.0   111.0   111.0   111.0   111.0   111.0   111.0   114.5
TT30        678     678     678     678     678     678     678     688
TT4        1064    1064    1064    1064    1064    1064    1064    1078

PT9        20.3    20.3    20.3    20.3    20.3    20.3    20.3    20.9
PTD        22.2    22.7    22.9    23.1    23.2    23.4    23.9    25.2
TT9        1993    1993    1993    1993    1993    1993    1993    1993
TTD        3560    3000    2750    2500    2250    2000    1363     688
WAS/WAP  0.0496  0.0468  0.0455  0.0441  0.0427  0.0413  0.0373  0.0327
VENG       1972    1972    1972    1972    1972    1972    1972    1972
VDUCT      2617    2407    2307    2203    2093    1976    1640    1173
AJCDE      5.21    5.21    5.21    5.21    5.21    5.21    5.21    5.21
AJCOD      9.19    8.12    7.65    7.18    6.71    6.23    4.96    3.19
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ALT	15000	WASIZE	640	PT2/PT2P	1.000	WBL3	0.	
MO	0.40	PAM	8.3	PT2	9.3	WBL4	0.	
VA KTS	251	TAM	465	TT2	480	HPEXT	500.0	
MAXTHR	MAX D/H						MIN C/H NOT LIT	
FNT	35895	33432	32280	31085	29938	28527	25848	20507
FGT	41612	39170	38018	36822	35575	34264	30546	26244
WAT	436	436	436	436	436	436	436	436
WFT	67373	54607	49413	44707	40324	36175	26868	17599
TSFC	1.877	1.633	1.533	1.438	1.351	1.268	1.073	0.876
BPR	1.32	1.32	1.32	1.32	1.32	1.32	1.32	1.32
WAT2	666	666	666	666	666	666	666	666
N1	5992	5992	5992	5992	5992	5992	5992	6026
N2	7779	7779	7779	7779	7779	7779	7779	7784
PT3D	26.7	26.7	26.7	26.7	26.7	26.7	26.7	27.7
PT4	117.9	117.9	117.9	117.9	117.9	117.9	117.9	121.7
TT3D	688	688	688	688	688	688	688	659
TT4	1077	1077	1077	1077	1077	1077	1077	1051
PT9	21.5	21.5	21.5	21.5	21.5	21.5	21.5	22.2
PTD	23.6	24.1	24.3	24.5	24.7	24.9	25.2	26.7
TT9	1992	1992	1992	1992	1992	1992	1992	1993
TTD	3560	3000	2750	2500	2250	2000	1374	659
WAS/WAP	0.0490	0.0462	0.0449	0.0436	0.0422	0.0408	0.0370	0.0324
VENG	1972	1972	1972	1972	1972	1972	1972	1972
VDUCT	2617	2407	2307	2203	2093	1976	1646	1182
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
AJCDD	9.17	9.10	7.63	7.17	6.70	6.22	4.98	3.20

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ALT	15000	WASIZE	640	PT2/PT2P	1.000	WBL3	0.	
MO	0.50	PAM	8.3	PT2	9.8	WBL4	0.	
VA KTS	313	TAM	465	TT2	489	HPEXT	500.0	
MAXTHR	MAX D/H						MIN D/H NOT LIT	
FNT	36789	34157	32927	31652	30326	28926	25594	20461
FGT	44291	41650	40415	39144	37818	36418	32546	27554
WAT	456	456	456	456	456	456	456	456
WFT	70195	56867	51499	46512	41934	37596	27751	18659
TSFC	1.908	1.665	1.564	1.469	1.383	1.300	1.108	0.912
BPR	1.32	1.32	1.32	1.32	1.32	1.32	1.32	1.32
WAT2	661	661	661	661	661	661	661	661
N1	5968	5968	5968	5968	5968	5968	5968	6004
N2	7804	7804	7804	7804	7804	7804	7804	7813
PT3D	27.8	27.8	27.8	27.8	27.8	27.8	27.8	28.9
PT4	123.0	123.0	123.0	123.0	123.0	123.0	123.0	127.2
TT3D	695	695	695	695	695	695	695	706
TT4	1086	1086	1086	1086	1086	1086	1086	1100
PT9	22.5	22.5	22.5	22.5	22.5	22.5	22.5	23.2
PTD	24.6	25.1	25.3	25.5	25.7	25.9	26.3	27.9
TT9	1992	1992	1992	1992	1992	1992	1992	1992
TTD	3560	3000	2750	2500	2250	2000	1379	706
WAS/WAP	0.0486	0.0458	0.0445	0.0432	0.0418	0.0404	0.0367	0.0321
VENG	1972	1972	1972	1972	1972	1972	1972	1971
VDUCT	2617	2407	2307	2203	2093	1976	1650	1189
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
AJCDD	9.21	8.13	7.66	7.19	6.72	6.24	5.01	3.22

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ALT	15000	WASIZE	640	PT2/PT2P	1.000	WBL3	0.	
MO	0.60	PAM	8.3	PT2	10.6	WBL4	0.	
VA KTS	376	TAM	465	TT2	459	HPEXT	500.0	
MAXTHR	MAX D/H						MIN C/H NOT LIT	
FNT	38120	35774	33945	32562	31138	29629	25517	20605
FGT	47588	44742	43419	42036	40606	39097	34985	30073
WAT	480	480	480	480	480	480	480	480
WFT	73730	59660	54000	48739	43913	39337	29077	19500
TSFC	1.933	1.691	1.591	1.496	1.410	1.328	1.140	0.946
BPR	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.32
WAT2	654	654	654	654	654	654	654	654
N1	5938	5938	5938	5938	5938	5938	5938	5978
N2	7835	7835	7835	7835	7835	7835	7835	7845
PT3D	29.2	29.2	29.2	29.2	29.2	29.2	29.2	30.4
PT4	129.3	129.3	129.3	129.3	129.3	129.3	129.3	133.9
TT3D	703	703	703	703	703	703	703	715
TT4	1099	1098	1098	1098	1098	1098	1098	1112
PT9	23.6	23.6	23.6	23.6	23.6	23.6	23.6	24.4
PTD	25.9	26.4	26.6	26.8	27.0	27.2	27.6	29.4
TT9	1992	1992	1992	1992	1992	1992	1992	1991
TTD	3560	3000	2750	2500	2250	2000	1387	715
WAS/WAP	0.0491	0.0454	0.0441	0.0429	0.0414	0.0400	0.0363	0.0319
VENG	1971	1971	1971	1971	1971	1971	1971	1971
VDUCT	2617	2407	2307	2203	2093	1974	1654	1196
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
AJCDD	9.24	8.16	7.69	7.22	6.75	6.27	5.04	3.25

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ALT	15000	WASIZE	640	PT2/PT2P	1.000	WBL3	0.	
MO	0.80	PAM	8.3	PT2	12.6	WBL4	0.	
VA KTS	501	TAM	465	TT2	525	HPEXT	500.0	
MAXTHR	MAX D/H						MIN D/H NOT LIT	
FNT	42097	38588	36994	35346	33638	31835	27096	21346
FGT	56305	52885	51292	49644	47935	46132	41394	35644
WAT	544	544	544	544	544	544	544	544
WFT	82979	67016	60560	54547	49051	43830	32462	21562
TSFC	1.975	1.737	1.637	1.543	1.458	1.377	1.198	1.010
BPR	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.34
WAT2	636	636	636	636	636	636	636	636
N1	5865	5865	5865	5865	5865	5865	5865	5911
N2	7914	7914	7914	7914	7914	7914	7914	7935
PT3D	32.8	32.8	32.8	32.8	32.8	32.8	32.8	34.4
PT4	145.0	145.0	145.0	145.0	145.0	145.0	145.0	150.6
TT3D	724	724	724	724	724	724	724	734
TT4	1126	1126	1126	1126	1126	1126	1126	1141
PT9	26.4	26.4	26.4	26.4	26.4	26.4	26.4	27.3
PTD	29.0	29.5	29.8	30.0	30.3	30.5	30.9	33.1
TT9	1991	1991	1991	1991	1991	1991	1991	1990
TTD	3562	3000	2750	2500	2250	2000	1406	734
WAS/WAP	0.0470	0.0443	0.0430	0.0417	0.0404	0.0390	0.0355	0.0311
VENG	1971	1971	1971	1971	1971	1971	1971	1971
VDUCT	2617	2407	2307	2203	2093	1976	1665	1213
AJCDE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.21
AJCDD	9.42	8.32	7.84	7.36	6.87	6.39	5.18	3.34

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ALT	15000	WASIZE	640	PT2/PT2P	1.000	WBL3	0.	
MO	1.00	PAM	8.3	PT2	15.7	WBL4	0.	
VA KTS	626	TAM	465	TT2	558	HPEXT	500.0	
MAXTHR	MAX D/H						MIN C/H NOT LIT	
FNT	47738	43463	41474	39415	37291	35067	29389	22514
FGT	68486	64211	62223	60167	58040	55796	50138	43063
WAT	631	631	631	631	631	631	631	631
WFT	96224	77344	69686	62535	56016	49816	36781	23828
TSFC	2.016	1.790	1.680	1.586	1.502	1.421	1.252	1.068
BPR	1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.41
WAT2	613	613	613	613	613	613	613	613
N1	5752	5752	5752	5752	5752	5752	5752	5804
N2	8001	8001	8001	8001	8001	8001	8001	8025
PT3D	37.8	37.8	37.8	37.8	37.8	37.8	37.8	39.5
PT4	162.9	162.9	162.9	162.9	162.9	162.9	162.9	169.8
TT3D	748	748	748	748	748	748	748	759
TT4	1156	1156	1156	1156	1156	1156	1156	1172
PT9	29.6	29.6	29.6	29.6	29.6	29.6	29.6	30.8
PTD	33.0	33.7	34.0	34.3	34.6	34.9	35.4	37.8
TT9	1990	1990	1990	1990	1990	1990	1990	1990
TTD	3560	3000	2750	2500	2250	2000	1427	759
WAS/WAP	0.0457	0.0430	0.0418	0.0405	0.0392	0.0378	0.0345	0.0302
VENG	1971	1971	1971	1971	1971	1971	1971	1971
VDUCT	2617	2407	2308	2203	2093	1976	1678	1232
AJCDE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20
AJCDD	9.52	8.67	8.16	7.65	7.15	6.64	5.42	3.52

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ALT	25000	WASIZE	640	PT2/PT2P	1.000	WBL3	0.	
MO	0.20	PAM	5.5	PT2	5.6	WBL4	0.	
VA KTS	120	TAM	430	TT2	433	HPEXT	500.0	
MAXTHR	MAX D/H						MIN D/H NOT LIT	
FNT	24984	23041	22314	21559	20766	19931	17335	14357
FGT	26391	24848	24122	23366	22573	21738	19143	16164
WAT	286	286	286	286	286	286	286	286
WFT	44963	35995	32592	29485	26524	23771	16914	11075
TSFC	1.813	1.562	1.461	1.367	1.277	1.193	0.976	0.771
BPR	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.36
WAT2	684	684	684	684	684	684	684	684
N1	5956	5956	5956	5956	5956	5956	5956	5983
N2	7448	7448	7448	7448	7448	7448	7448	7457
PT3D	16.6	16.6	16.6	16.6	16.6	16.6	16.6	17.2
PT4	74.1	74.1	74.1	74.1	74.1	74.1	74.1	76.2
TT3D	627	627	627	627	627	627	627	632
TT4	997	997	997	997	997	997	997	1011
PT9	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.9
PTD	14.5	14.9	15.0	15.1	15.2	15.4	15.7	16.4
TT9	1902	1902	1902	1902	1902	1902	1902	1902
TTD	3560	3000	2750	2500	2250	2000	1315	635
WAS/WAP	0.0514	0.0484	0.0470	0.0455	0.0441	0.0425	0.0380	0.0329
VENG	1928	1929	1929	1928	1928	1928	1928	1928
VDUCT	2617	2407	2307	2203	2092	1976	1617	1128
AJCDE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.21
AJCDD	9.95	8.79	8.23	7.72	7.20	6.68	5.20	3.28

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ALT        25000   WASIZE      640   PT2/PT2P  1.000   WBL3        0.
MO          0.40   PAM         5.5   PT2         6.1   WBL4        0.
VA KTS       241   TAM         430   TT2         444   HPEXT    500.0

MAXTHR    MAX D/H                                     MIN D/H NOT LIT

FNT        25754    24003    23183    22321    21439    20502    17665    14370
FGT        29642    27991    27070    26218    25327    24389    21552    18258
WAT          308      308      308      308      308      308      308      308
WFT        48083    38906    35249    31878    28726    25768    18547    12283
TSFC       1.867    1.621    1.520    1.428    1.340    1.257    1.050    0.855
BPR         1.35     1.35     1.35     1.35     1.35     1.35     1.35     1.36
WAT2         686      686      686      686      686      686      686      688

N1          6045     6045     6045     6045     6045     6045     6045     6073
N2          7561     7561     7561     7561     7561     7561     7561     7562
PT30        18.0     18.0     18.0     18.0     18.0     18.0     18.0     18.7
PT4         80.8     80.8     80.8     80.8     80.8     80.8     80.8     83.1
TT30         642      642      642      642      642      642      642      651
TT4         1023     1023     1023     1023     1023     1023     1023     1037

PT9         14.8     14.8     14.8     14.8     14.8     14.8     14.8     15.2
PTD         15.8     16.2     16.3     16.5     16.6     16.7     17.1     18.0
TT9         1951     1951     1951     1951     1951     1951     1951     1551
TTD         3560     3000     2750     2500     2250     2000     1330      651
WAS/WAP   0.0509   0.0480   0.0466   0.0452   0.0438   0.0422   0.0379   0.0329
VENG        1951     1951     1951     1951     1951     1951     1951     1951
VDUCT       2617     2407     2307     2203     2092     1976     1621     1161
AJCOE       5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.21
AJCOD       9.79     8.62     8.11     7.61     7.10     6.59     5.16     3.28

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ALT        25000   WASIZE      640   PT2/PT2P  1.000   WBL3        0.
MO          0.80   PAM         5.5   PT2         8.1   WBL4        0.
VA KTS       492   TAM         430   TT2         485   HPEXT    500.0

MAXTHR    MAX D/H                                     MIN D/H NOT LIT

FNT        31625    29112    27941    26731    25473    24156    20493    16294
FGT        41446    39929    37758    36548    35290    33971    30300    25511
WAT          389      389      389      389      389      389      389      389
WFT        60021    48610    44019    39757    35818    32128    21693    15956
TSFC       1.898    1.670    1.575    1.487    1.407    1.330    1.154    0.985
BPR         1.33     1.33     1.33     1.33     1.33     1.33     1.33     1.33
WAT2         663      663      663      663      663      663      663      663

N1          5971     5971     5971     5971     5971     5971     5971     6006
N2          7765     7765     7765     7765     7765     7765     7765     7775
PT30        23.5     23.5     23.5     23.5     23.5     23.5     23.5     24.5
PT4        104.3    104.3    104.3    104.3    104.3    104.3    104.3    107.7
TT30         690      690      690      690      690      690      690      700
TT4         1080     1080     1080     1080     1080     1080     1080     1094

PT9         19.0     19.0     19.0     19.0     19.0     19.0     19.0     15.6
PTD         20.8     21.2     21.4     21.6     21.7     21.9     22.2     23.6
TT9         1994     1994     1994     1994     1994     1994     1994     1994
TTD         3560     3000     2750     2500     2250     2000     1374      700
WAS/WAP   0.0488   0.0460   0.0447   0.0434   0.0420   0.0406   0.0368   0.0322
VENG        1972     1972     1972     1972     1972     1972     1972     1972
VDUCT       2617     2407     2307     2203     2093     1976     1647     1194
AJCOE       5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCOD       9.33     8.24     7.76     7.28     6.81     6.32     5.05     3.25

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ALT        25000   WASIZE      640   PT2/PT2P  0.997   WBL3        0.
MO          1.10   PAM         5.5   PT2        11.6   WBL4        0.
VA KTS       662   TAM         430   TT2         534   HPEXT    500.0

MAXTHR    MAX D/H                                     MIN D/H NOT LIT

FNT        38840    35365    33749    32081    30356    28541    23819    18007
FGT        55995    52412    50796    49128    47403    45588    40866    35054
WAT          491      491      491      491      491      491      491      491
WFT        75015    60478    54596    49112    44108    39350    29046    19110
TSFC       1.931    1.710    1.618    1.531    1.453    1.379    1.219    1.061
BPR         1.39     1.39     1.39     1.39     1.39     1.39     1.39     1.37
WAT2         630      630      630      630      630      630      630      630

N1          5826     5826     5826     5826     5826     5826     5826     5875
N2          7917     7917     7917     7917     7917     7917     7917     7941
PT30        29.2     29.2     29.2     29.2     29.2     29.2     29.2     30.6
PT4        129.0    129.0    129.0    129.0    129.0    129.0    129.0    134.1
TT30         728      728      728      728      728      728      728      740
TT4         1132     1132     1132     1132     1132     1132     1132     1148

PT9         23.5     23.5     23.5     23.5     23.5     23.5     23.5     24.3
PTD         25.6     26.2     26.4     26.6     26.8     27.0     27.5     29.4
TT9         1993     1993     1993     1993     1993     1993     1993     1552
TTD         3560     3000     2750     2500     2250     2000     1409      740
WAS/WAP   0.0468   0.0439   0.0427   0.0414   0.0401   0.0387   0.0352   0.0308
VENG        1972     1972     1972     1972     1972     1972     1972     1971
VDUCT       2617     2407     2307     2203     2093     1976     1667     1216
AJCOE       5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.21
AJCOD       9.71     8.57     8.07     7.57     7.07     6.56     5.32     3.43

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ALT        25000   WASIZE      640   PT2/PT2P  0.991   WBL3        0.
MO          1.20   PAM         5.5   PT2        13.1   WBL4        0.
VA KTS       722   TAM         430   TT2         554   HPEXT    500.0

MAXTHR    MAX D/H                                     MIN D/H NOT LIT

FNT        41808    37881    36059    34181    32240    30197    25016    18507
FGT        62002    58075    56253    54375    52434    50391    45210    38701
WAT          533      533      533      533      533      533      533      533
WFT        81416    65450    58979    52937    47430    42192    31090    20134
TSFC       1.947    1.728    1.636    1.549    1.471    1.397    1.243    1.088
BPR         1.44     1.44     1.44     1.44     1.44     1.44     1.44     1.42
WAT2         616      616      616      616      616      616      616      616

N1          5761     5761     5761     5761     5761     5761     5761     5808
N2          7967     7967     7967     7967     7967     7967     7967     7993
PT30        31.7     31.7     31.7     31.7     31.7     31.7     31.7     33.0
PT4        137.3    137.3    137.3    137.3    137.3    137.3    137.3    142.9
TT30         743      743      743      743      743      743      743      753
TT4         1150     1150     1150     1150     1150     1150     1150     1166

PT9         24.9     24.9     24.9     24.9     24.9     24.9     24.9     25.9
PTD         27.6     28.2     28.5     28.7     29.0     29.2     29.7     31.6
TT9         1991     1991     1991     1991     1991     1991     1991     1992
TTD         3560     3000     2750     2500     2250     2000     1422      753
WAS/WAP   0.0459   0.0432   0.0420   0.0407   0.0394   0.0380   0.0346   0.0302
VENG        1971     1971     1971     1971     1971     1971     1971     1971
VDUCT       2617     2407     2308     2203     2093     1976     1675     1227
AJCOE       5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.20
AJCOD       9.91     8.75     8.23     7.72     7.21     6.69     5.46     3.55

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ALT        25000   WASIZE      640   PT2/PT2P  0.985   WBL3        0.
MO          1.30   PAM         5.5   PT2        14.9   WBL4        0.
VA KTS       783   TAM         430   TT2         575   HPEXT    500.0

MAXTHR    MAX D/H                                     MIN D/H NOT LIT

FNT        45051    40615    38559    36450    34250    31946    26254    18936
FGT        68843    64408    62352    60232    58042    55738    50046    42728
WAT          579      579      579      579      579      579      579      579
WFT        88585    70979    63831    57152    51063    45272    33276    21116
TSFC       1.966    1.748    1.655    1.568    1.491    1.417    1.267    1.115
BPR         1.50     1.50     1.50     1.50     1.50     1.50     1.50     1.48
WAT2         602      602      602      602      602      602      602      602

N1          5685     5685     5685     5685     5685     5685     5685     5730
N2          8018     8018     8018     8018     8018     8018     8018     8041
PT30        34.3     34.3     34.3     34.3     34.3     34.3     34.3     35.8
PT4        145.6    145.6    145.6    145.6    145.6    145.6    145.6    151.5
TT30         758      758      758      758      758      758      758      769
TT4         1167     1167     1167     1167     1167     1167     1167     1183

PT9         26.4     26.4     26.4     26.4     26.4     26.4     26.4     27.4
PTD         29.7     30.4     30.7     31.0     31.2     31.5     32.0     34.2
TT9         1992     1992     1992     1992     1992     1992     1992     1991
TTD         3560     3000     2750     2500     2250     2000     1436      769
WAS/WAP   0.0452   0.0425   0.0413   0.0400   0.0386   0.0373   0.0340   0.0296
VENG        1971     1971     1971     1971     1971     1971     1971     1971
VDUCT       2617     2407     2308     2203     2093     1976     1683     1239
AJCOE       5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCOD      10.18     8.98     8.45     7.92     7.39     6.86     5.62     3.67

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ALT        36150   WASIZE      640   PT2/PT2P  1.000   WBL3        0.
MO          0.40   PAM         3.3   PT2         3.7   WBL4        0.
VA KTS       229   TAM         390   TT2         403   HPEXT    500.0

MAXTHR    MAX D/H                                     MIN D/H NOT LIT

FNT        15552    14509    14016    13500    12957    12382    10440     8278
FGT        17886    16843    16350    15834    15291    14716    12774    10612
WAT          194      194      194      194      194      194      194      194
WFT        30263    24308    21975    19782    17733    15832    10765     6726
TSFC       1.946    1.675    1.568    1.465    1.369    1.279    1.031    0.812
BPR         1.42     1.42     1.42     1.42     1.42     1.42     1.42     1.43
WAT2         685      685      685      685      685      685      685      685

N1          5748     5748     5748     5748     5748     5748     5748     5769
N2          7063     7063     7063     7063     7063     7063     7063     7091
PT30        10.4     10.4     10.4     10.4     10.4     10.4     10.4     10.7
PT4         47.0     47.0     47.0     47.0     47.0     47.0     47.0     48.3
TT30         574      574      574      574      574      574      574      581
TT4          919      919      919      919      919      919      919      932

PT9          8.5      8.5      8.5      8.5      8.5      8.5      8.5      8.8
PTD          8.7      9.0      9.1      9.2      9.3      9.4      9.7     10.3
TT9         1760     1760     1760     1760     1760     1760     1760     1760
TTD         3560     3000     2750     2500     2250     2000     1264      581
WAS/WAP   0.0529   0.0497   0.0482   0.0467   0.0451   0.0435   0.0362   0.0325
VENG        1856     1856     1856     1856     1856     1856     1856     1856
VDUCT       2617     2407     2307     2202     2092     1976     1581     1078
AJCOE       5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCOD      11.40     9.97     9.35     8.75     8.14     7.54     5.69     3.49

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ALT        36150    WASIZE       640   PT2/PT2P  1.000    WBL3        0.
MO          0.60    PAM          3.3   PT2         4.2    WBL4        0.
VA KTS       344    TAM          390   TT2         419    HPEXT    500.0

MAXTHR    MAX D/H                                         MIN D/H NOT LIT

FNT        17604    16315    15711    15086    14427    13733    11501     8360
FGT        21523    20734    19610    19001    18345    17652    15420    12487
WAT          217      217      217      217      217      217      217      217
WFT        33877    27257    24645    22255    19392    17880    12429     7540
TSFC       1.924    1.671    1.569    1.476    1.386    1.302    1.081    0.885
BPR         1.39     1.39     1.39     1.39     1.39     1.39     1.39     1.40
WAT2         684      684      684      684      684      684      684      684

N1          5847     5847     5847     5847     5847     5847     5847     5871
N2          7236     7236     7236     7236     7236     7236     7236     7256
PT30        12.0     12.0     12.0     12.0     12.0     12.0     12.0     12.5
PT4         54.3     54.3     54.3     54.3     54.3     54.3     54.3     55.8
TT30         599      599      599      599      599      599      599      607
TT4          957      957      957      957      957      957      957      970

PT9          9.9      9.9      9.9      9.9      9.9      9.9      9.9     10.2
PTD         10.3     10.6     10.7     10.8     10.9     11.0     11.3     12.0
TT9         1834     1834     1834     1834     1834     1834     1834     1834
TTD         3560     3000     2750     2500     2250     2000     1250      607
WAS/WAP   0.0521   0.0490   0.0476   0.0461   0.0446   0.0430   0.0381   0.0327
VENG        1894     1894     1894     1894     1894     1894     1894     1894
VDUCT       2617     2407     2307     2203     2092     1976     1597     1103
AJCDE       5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDD      10.72     9.41     8.84     8.27     7.71     7.14     5.47     3.41

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ALT        36150    WASIZE       640   PT2/PT2P  1.000    WBL3        0.
MO          0.90    PAM          3.3   PT2         5.6    WBL4        0.
VA KTS       516    TAM          390   TT2         453    HPEXT    500.0

MAXTHR    MAX D/H                                         MIN D/H NOT LIT

FNT        23425    21531    20692    19744    18807    17811    14902    11471
FGT        30922    29029    28149    27241    26297    25308    22399    18568
WAT          277      277      277      277      277      277      277      277
WFT        43489    35228    31929    28881    26044    23376    16675    11323
TSFC       1.856    1.636    1.546    1.463    1.385    1.312    1.119    0.987
BPR         1.36     1.36     1.36     1.36     1.36     1.36     1.36     1.37
WAT2         685      685      685      685      685      685      685      685

N1          6101     6101     6101     6101     6101     6101     6101     6128
N2          7615     7615     7615     7615     7615     7615     7615     7621
PT30        16.3     16.3     16.3     16.3     16.3     16.3     16.3     16.9
PT4         73.2     73.2     73.2     73.2     73.2     73.2     73.2     75.7
TT30         654      654      654      654      654      654      654      663
TT4         1042     1042     1042     1042     1042     1042     1042     1056

PT9         13.4     13.4     13.4     13.4     13.4     13.4     13.4     13.8
PTD         14.2     14.5     14.7     14.8     14.9     15.1     15.3     16.2
TT9         1997     1997     1997     1997     1997     1997     1997     1997
TTD         3560     3000     2750     2500     2250     2000     1341      663
WAS/WAP   0.0506   0.0477   0.0463   0.0449   0.0435   0.0420   0.0378   0.0329
VENG        1974     1974     1974     1974     1974     1974     1974     1974
VDUCT       2617     2407     2307     2203     2093     1976     1627     1152
AJCDE       5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDD       9.80     8.64     8.13     7.62     7.12     6.60     5.20     3.92

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ALT        36150    WASIZE       640   PT2/PT2P  0.991    WBL3        0.
MO          1.20    PAM          3.3   PT2         7.9    WBL4        0.
VA KTS       688    TAM          390   TT2         503    HPEXT    500.0

MAXTHR    MAX D/H                                         MIN D/H NOT LIT

FNT        29633    26980    25750    24484    23175    21801    18071    13541
FGT        42468    39812    38583    37317    36007    34633    30906    26373
WAT          355      355      355      355      355      355      355      355
WFT        54791    44289    40051    36114    32506    29083    21379    14195
TSFC       1.849    1.641    1.555    1.475    1.403    1.334    1.183    1.048
BPR         1.36     1.36     1.36     1.36     1.36     1.36              1.36
WAT2         651      651      651      651      651      651     6.        651

N1          5910     5910     5910     5910     5910     5910     5910     5946
N2          7791     7791     7791     7791     7791     7791     7791     7811
PT30        21.1     21.1     21.1     21.1     21.1     21.1     21.1     22.0
PT4         94.3     94.3     94.3     94.3     94.3     94.3     94.3     97.5
TT30         701      701      701      701      701      701      701      712
TT4         1097     1097     1097     1097     1097     1097     1097     1112

PT9         17.2     17.2     17.2     17.2     17.2     17.2     17.2     17.8
PTD         18.5     18.9     19.1     19.3     19.4     19.6     19.9     21.2
TT9         1995     1995     1995     1995     1995     1995     1995     1994
TTD         3560     3000     2750     2500     2250     2000     1384      712
WAS/WAP   0.0490   0.0453   0.0440   0.0426   0.0413   0.0399   0.0362   0.0316
VENG        1973     1973     1973     1973     1973     1973     1973     1973
VDUCT       2617     2407     2307     2203     2093     1976     1653     1193
AJCDE       5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDD       9.65     8.51     8.01     7.52     7.02     6.52     5.23     3.37

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ALT        36150    WASIZE       640   PT2/PT2P  0.971    WBL3        0.
MO          1.50    PAM          3.3   PT2        11.7    WBL4        0.
VA KTS       860    TAM          390   TT2         566    HPEXT    500.0

MAXTHR    MAX D/H                                         MIN D/H NOT LIT

FNT        37664    33851    32088    30273    28401    26436    21504    15213
FGT        58579    54766    53002    51188    49316    47350    42418    36127
WAT          463      463      463      463      463      463      463      463
WFT        71094    56998    51282    45943    41077    36449    26706    16995
TSFC       1.888    1.684    1.598    1.518    1.446    1.379    1.242    1.117
BPR         1.50     1.50     1.50     1.50     1.50     1.50     1.50     1.48
WAT2         608      608      608      608      608      608      608      608

N1          5705     5705     5705     5705     5705     5705     5705     5749
N2          7967     7967     7967     7967     7967     7967     7967     7992
PT30        27.1     27.1     27.1     27.1     27.1     27.1     27.1     28.3
PT4        116.5    116.5    116.5    116.5    116.5    116.5    116.5    121.2
TT30         748      748      748      748      748      748      748      759
TT4         1156     1156     1156     1156     1156     1156     1156     1177

PT9         21.2     21.2     21.2     21.2     21.2     21.2     21.2     22.0
PTD         23.4     23.9     24.1     24.3     24.6     24.8     25.2     27.0
TT9         1994     1994     1994     1994     1994     1994     1994     1993
TTD         3560     3000     2750     2500     2250     2000     1427      759
WAS/WAP   0.0455   0.0428   0.0416   0.0403   0.0390   0.0376   0.0342   0.0298
VENG        1973     1973     1973     1973     1973     1973     1973     1972
VDUCT       2617     2407     2308     2203     2093     1976     1677     1231
AJCDE       5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.21
AJCDD      10.36     9.13     8.59     8.05     7.51     6.97     5.69     3.69

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ALT        36150    WASIZE       640   PT2/PT2P  0.945    WBL3        0.
MO          1.80    PAM          3.3   PT2        17.9    WBL4        0.
VA KTS      1032    TAM          390   TT2         643    HPEXT    500.0

MAXTHR    MAX D/H                                         MIN D/H NOT LIT

FNT        48013    42503    39965    37362    34668    31847    25550    16496
FGT        80732    75223    72684    70081    67388    64567    58270    49416
WAT          604      604      604      604      604      604      604      604
WFT        91835    72736    65062    57867    51378    45128    33230    19528
TSFC       1.913    1.711    1.628    1.549    1.482    1.417    1.301    1.184
BPR         1.66     1.66     1.66     1.66     1.66     1.66     1.66     1.65
WAT2         555      555      555      555      555      555      555      555

N1          5497     5497     5497     5497     5497     5497     5497     5533
N2          8109     8109     8109     8109     8109     8109     8109     8143
PT30        36.1     36.1     36.1     36.1     36.1     36.1     36.1     37.5
PT4        143.0    143.0    143.0    143.0    143.0    143.0    143.0    148.4
TT30         812      812      812      812      812      812      812      821
TT4         1221     1221     1221     1221     1221     1221     1221     1237

PT9         25.9     25.9     25.9     25.9     25.9     25.9     25.9     26.8
PTD         30.9     31.6     31.9     32.3     32.6     32.8     33.3     35.6
TT9         1993     1993     1993     1993     1993     1993     1993     1993
TTD         3560     3000     2750     2500     2250     2000     1485      821
WAS/WAP   0.0430   0.0404   0.0392   0.0379   0.0366   0.0353   0.0323   0.0280
VENG        1972     1972     1972     1972     1972     1972     1972     1972
VDUCT       2617     2408     2308     2203     2093     1976     1710     1281
AJCDE       5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.21
AJCDD      10.59     9.33     8.78     8.22     7.67     7.12     5.95     3.97

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ALT        45000    WASIZE       640   PT2/PT2P  1.000    WBL3        0.
MO          0.50    PAM          2.1   PT2         2.5    WBL4        0.
VA KTS       287    TAM          390   TT2         409    HPEXT    500.0

MAXTHR    MAX D/H                                         MIN D/H NOT LIT

FNT        10239     9533     9207     8852     8487     8095     6707     5250
FGT        12250    11544    11213    10864    10498    10106     8715     7261
WAT          134      134      134      134      134      134      134      134
WFT        22184    17584    15849    14213    12749    11289     7416     4532
TSFC       2.167    1.844    1.722    1.605    1.502    1.395    1.106    0.863
BPR         1.54     1.54     1.54     1.54     1.54     1.54     1.54     1.55
WAT2         685      685      685      685      685      685      685      685

N1          5800     5800     5800     5800     5800     5800     5800     5811
N2          6992     6992     6992     6992     6992     6992     6992     7031
PT30         6.6      6.6      6.6      6.6      6.6      6.6      6.6      6.9
PT4         31.2     31.2     31.2     31.2     31.2     31.2     31.2     32.1
TT30         569      569      569      569      569      569      569      576
TT4          922      922      922      922      922      922      922      935

PT9          5.7      5.7      5.7      5.7      5.7      5.7      5.7      5.8
PTD          5.4      5.5      5.6      5.7      5.8      5.9      6.1      6.5
TT9         1797     1797     1797     1797     1797     1797     1797     1797
TTD         3560     3000     2750     2500     2250     2000     1237      576
WAS/WAP   0.0529   0.0497   0.0482   0.0466   0.0450   0.0433   0.0377   0.0321
VENG        1875     1875     1875     1875     1875     1875     1875     1875
VDUCT       2616     2407     2307     2202     2092     1976     1565     1074
AJCDE       5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDD      13.23    11.49    10.77    10.05     9.33     8.61     6.36     3.89

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ALT       45000     WASIZE       640     PT2/PT2P  1.000     WBL3        0.
MO         0.90     PAM          2.1     PT2         3.3     WBL4        0.
VA KTS      459     TAM          390     TT2         440     HPEXT     500.0

MAXTHR    MAX D/H                                           MIN D/H NOT LIT

FNT       13464     12411     11919     11410     10876     10315      8960      6535
FGT       17457     16404     15912     15402     14907     14308     12553     10532
WAT         166       166       166       166       166       166       166       166
WFT       26351     21231     19200     17336     15580     13936      9867      6316
TSFC      1.957     1.711     1.611     1.519     1.433     1.351     1.146     0.966
BPR        1.46      1.46      1.46      1.46      1.46      1.46      1.46      1.47
WAT2        685       685       685       685       685       685       685       685

N1         6025      6025      6025      6025      6025      6025      6025      6045
N2         7349      7349      7349      7349      7349      7349      7349      7328
PT3D        8.9       8.9       8.9       8.9       8.9       8.9       8.9       9.3
PT4        41.5      41.5      41.5      41.5      41.5      41.5      41.5      42.7
TT3D        620       620       620       620       620       620       620       628
TT4        1000      1000      1000      1000      1000      1000      1000      1013

PT9         7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.8
PTD         7.5       7.7       7.8       7.9       8.0       8.1       8.3       8.9
TT9        1941      1941      1941      1941      1941      1941      1941      1940
TTD        3560      3000      2750      2500      2250      2000      1322       628
WAS/WAP  0.0514    0.0483    0.0469    0.0455    0.0439    0.0424    0.0377    0.0325
VENG       1946      1946      1946      1946      1946      1946      1946      1946
VDUCT      2617      2407      2307      2203      2092      1976      1608      1121
AJCDE      5.21      5.21      5.21      5.21      5.21      5.21      5.21      5.21
AJCDD     11.41     10.00      9.39      8.78      8.18      7.57      5.84      3.64

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ALT       45000     WASIZE       640     PT2/PT2P  0.991     WBL3        0.
MO         1.20     PAM          2.1     PT2         5.2     WBL4        0.
VA KTS      688     TAM          390     TT2         502     HPEXT     500.0

MAXTHR    MAX D/H                                           MIN D/H NOT LIT

FNT       19148     17443     16644     15914     14964     14069     11586      8576
FGT       27568     25743     25044     24220     23354     22469     19986     16576
WAT         233       233       233       233       233       233       233       233
WFT       36240     27728     26407     23797     21379     19099     13892      9078
TSFC      1.891     1.576     1.587     1.504     1.429     1.358     1.199     1.059
BPR        1.42      1.42      1.42      1.42      1.42      1.42      1.42      1.42
WAT2        651       651       651       651       651       651       651       651

N1         5902      5902      5902      5902      5902      5902      5902      5929
N2         7696      7696      7696      7696      7696      7696      7696      7729
PT3D       13.2      13.2      13.2      13.2      13.2      13.2       13.      13.8
PT4        60.2      60.2      60.2      60.2      60.2      60.2      60.2      62.1
TT3D        691       691       691       691       691       691       691       701
TT4        1088      1088      1088      1088      1088      1088      1088      1103

PT9        11.0      11.0      11.0      11.0      11.0      11.0      11.0      11.3
PTD        11.4      11.6      11.8      11.9      12.0      12.1      12.3      13.2
TT9        2000      2000      2000      2000      2000      2000      2000      1999
TTD        3560      3000      2750      2500      2250      2000      1375       701
WAS/WAP  0.0482    0.0454    0.0441    0.0427    0.0413    0.0399    0.0361    0.0314
VENG       1975      1975      1975      1975      1975      1975      1975      1975
VDUCT      2617      2407      2307      2203      2093      1976      1467      1184
AJCDE      5.21      5.21      5.21      5.21      5.21      5.21      5.21      5.21
AJCDD     10.48      9.23      8.69      8.13      7.58      7.03      5.61      3.59

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ALT       45000     WASIZE       640     PT2/PT2P  0.973     WBL3        0.
MO         1.50     PAM          2.1     PT2         7.7     WBL4        0.
VA KTS      863     TAM          390     TT2         566     HPEXT     500.0

MAXTHR    MAX D/H                                           MIN D/H NOT LIT

FNT       24426     21937     20784     19597     18372     17083     13771      9613
FGT       38117     35628     34476     33289     32063     30775     27482     23305
WAT         303       303       303       303       303       303       303       303
WFT       47024     37610     33808     31253     27010     23927     17346     10856
TSFC      1.925     1.715     1.627     1.594     1.470     1.401     1.258     1.129
BPR        1.57      1.57      1.57      1.57      1.57      1.57      1.57      1.55
WAT2        608       608       608       608       608       608       608       608

N1         5681      5681      5681      5681      5681      5681      5681      5719
N2         7882      7882      7882      7882      7882      7882      7882      7913
PT3D       17.0      17.0      17.0      17.0      17.0      17.0      17.0      17.8
PT4        74.2      74.2      74.2      74.2      74.2      74.2      74.2      77.1
TT3D        739       739       739       739       739       739       739       749
TT4        1148      1148      1148      1148      1148      1148      1148      1163

PT9        13.5      13.5      13.5      13.5      13.5      13.5      13.5      14.0
PTD        14.4      14.8      14.9      15.1      15.3      15.4      15.7      16.9
TT9        1999      1999      1999      1999      1999      1999      1999      1998
TTD        3560      3000      2750      2500      2250      2000      1418       749
WAS/WAP  0.0457    0.0430    0.0417    0.0404    0.0390    0.0376    0.0341    0.0296
VENG       1975      1975      1975      1975      1975      1975      1975      1974
VDUCT      2617      2407      2308      2203      2093      1976      1672      1223
AJCDE      5.21      5.21      5.21      5.21      5.21      5.21      5.21      5.21
AJCDD     11.19      9.83      9.24      8.65      8.06      7.47      6.06      3.91

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ALT       45000     WASIZE       640     PT2/PT2P  0.945     WBL3        0.
MO         1.80     PAM          2.1     PT2        11.7     WBL4        0.
VA KTS     1032     TAM          390     TT2         643     HPEXT     500.0

MAXTHR    MAX D/H                                           MIN D/H NOT LIT

FNT       31223     27615     25951     24244     22476     20622     16419     10520
FGT       52636     49029     47365     45658     43890     42036     37327     31934
WAT         395       395       395       395       395       395       395       395
WFT       60687     47991     42898     38259     33787     29631     21616     12737
TSFC      1.944     1.738     1.653     1.578     1.503     1.437     1.317     1.211
BPR        1.74      1.74      1.74      1.74      1.74      1.74      1.74      1.73
WAT2        555       555       555       555       555       555       555       555

N1         5467      5467      5467      5467      5467      5467      5467      5459
N2         8010      8010      8010      8010      8010      8010      8010      8047
PT3D       22.8      22.8      22.8      22.8      22.8      22.8      22.8      23.7
PT4        91.1      91.1      91.1      91.1      91.1      91.1      91.1      94.3
TT3D        805       805       805       805       805       805       805       813
TT4        1213      1213      1213      1213      1213      1213      1213      1228

PT9        16.5      16.5      16.5      16.5      16.5      16.5      16.5      17.0
PTD        19.2      19.7      19.9      20.2      20.4      20.6      20.9      22.3
TT9        1998      1998      1998      1998      1998      1998      1998      1998
TTD        3560      3000      2750      2500      2250      2000      1478       813
WAS/WAP  0.0431    0.0405    0.0392    0.0380    0.0366    0.0353    0.0322    0.0275
VENG       1974      1974      1974      1974      1974      1974      1974      1974
VDUCT      2617      2408      2308      2203      2093      1976      1706      1274
AJCDE      5.21      5.21      5.21      5.21      5.21      5.21      5.21      5.21
AJCDD     11.31      9.95      9.35      8.74      8.15      7.55      6.28      4.19

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ALT       45000     WASIZE       640     PT2/PT2P  0.925     WBL3        0.
MO         2.00     PAM          2.1     PT2        15.6     WBL4        0.
VA KTS     1147     TAM          390     TT2         702     HPEXT     500.0

MAXTHR    MAX D/H                                           MIN D/H NOT LIT

FNT       36614     32069     29984     27936     25621     23303     18619     11455
FGT       64421     60277     58191     56043     53828     51511     46826     39651
WAT         469       469       469       469       469       469       469       469
WFT       70547     55473     49423     43735     38546     33660     25037     14419
TSFC      1.927     1.730     1.648     1.571     1.506     1.444     1.345     1.260
BPR        1.76      1.76      1.76      1.76      1.76      1.76      1.76      1.76
WAT2        515       515       515       515       515       515       515       515

N1         5425      5425      5425      5425      5425      5425      5425      5460
N2         8066      8066      8066      8066      8066      8066      8066      8103
PT3D       28.8      28.8      28.8      28.8      28.8      28.8      28.8      29.5
PT4       107.3     107.3     107.3     107.3     107.3     107.3     107.3     111.0
TT3D        862       862       862       862       862       862       862       870
TT4        1269      1269      1269      1269      1269      1269      1269      1284

PT9        19.3      19.3      19.3      19.3      19.3      19.3      19.3      20.0
PTD        24.7      25.3      25.5      25.9      26.0      26.2      26.5      28.1
TT9        1996      1996      1996      1996      1996      1996      1996      1996
TTD        3560      3000      2750      2500      2250      2000      1510       870
WAS/WAP  0.0413    0.0388    0.0376    0.0363    0.0351    0.0338    0.0311    0.0270
VENG       1974      1974      1974      1974      1974      1974      1974      1974
VDUCT      2617      2409      2308      2203      2093      1976      1735      1317
AJCDE      5.21      5.21      5.21      5.21      5.21      5.21      5.21      5.21
AJCDD     10.48      9.24      8.69      8.14      7.61      7.06      6.60      4.11

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ALT       55000     WASIZE       640     PT2/PT2P  0.997     WBL3        0.
MO         1.10     PAM          1.3     PT2         2.8     WBL4        0.
VA KTS      631     TAM          390     TT2         484     HPEXT     500.0

MAXTHR    MAX D/H                                           MIN D/H NOT LIT

FNT       10616      9686      9253      8808      8341      7852      6371      4104
FGT       14978     14066     13634     13188     12722     12235     10752      9085
WAT         132       132       132       132       132       132       132       132
WFT       21799     17397     15681     14088     12617     11239      7848      4004
TSFC      2.053     1.796     1.695     1.600     1.513     1.431     1.232     1.064
BPR        1.55      1.55      1.55      1.55      1.55      1.55      1.55      1.55
WAT2        663       663       663       663       663       663       663       681

N1         5954      5954      5954      5954      5954      5954      5954      5976
N2         7450      7450      7450      7450      7450      7450      7450      7496
PT3D        6.8       6.8       6.8       6.8       6.8       6.8       6.8       7.1
PT4        32.5      32.5      32.5      32.5      32.5      32.5      32.5      33.4
TT3D        657       657       657       657       657       657       657       666
TT4        1052      1052      1052      1052      1052      1052      1052      1066

PT9         6.0       6.0       6.0       6.0       6.0       6.0       6.0       6.1
PTD         5.6       5.8       5.8       5.9       6.0       6.1       6.2       6.8
TT9        2007      2007      2007      2007      2007      2007      2007      2006
TTD        3560      3000      2750      2500      2250      2000      1326       666
WAS/WAP  0.0494    0.0464    0.0451    0.0436    0.0422    0.0407    0.0361    0.0314
VENG       1979      1979      1979      1979      1979      1979      1979      1978
VDUCT      2617      2407      2307      2203      2092      1976      1619      1154
AJCDE      5.20      5.20      5.20      5.20      5.20      5.20      5.20      5.21
AJCDD     12.96     10.97     10.29      9.61      8.93      8.25      6.39      4.07

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ALT       55000   WASIZE      640   PT2/PT2P  0.991   WBL3       0.
MO         1.20   PAM         1.3   PT2         3.2   WBL4       0.
VA KTS      698   TAM         390   TT2         502   HPEXT   500.0

MAXTHR   MAX D/H                                      MIN D/H NOT LIT

FNT       11529   10487   10002    9500    8978    8430    6956    4989
FGT       16716   15693   15208   14707   14196   13837   12763   10176
WAT         144     144     144     144     144     144     144     144
WFT       22136   18377   16588   14713   13165   11933    8482    5388
TSFC      1.947   1.754   1.659   1.570   1.489   1.412   1.237   1.094
BPR        1.55    1.55    1.55    1.55    1.55    1.55    1.55    1.55
WAT2        651     651     651     651     651     651     651     651

N1         5883    5883    5883    5883    5883    5883    5883    5909
N2         7530    7530    7530    7530    7530    7530    7530    7574
PT30        7.5     7.5     7.5     7.5     7.5     7.5     7.5     7.8
PT4        35.4    35.4    35.4    35.4    35.4    35.4    35.4    36.5
TT30        674     674     674     674     674     674     674     683
TT4        1074    1074    1074    1074    1074    1074    1074    1088

PT9         6.5     6.5     6.5     6.5     6.5     6.5     6.5     6.7
PTD         6.2     6.4     6.4     6.5     6.6     6.7     6.9     7.4
TT9        2005    2005    2005    2005    2005    2005    2005    2005
TTD        3560    3000    2750    2500    2250    2000    1352     683
WAS/WAP  0.0495  0.0456  0.0442  0.0428  0.0414  0.0399  0.0338  0.0309
VENG       1978    1978    1978    1978    1978    1978    1978    1978
VDUCT      2617    2407    2307    2202    2093    1976    1630    1169
AJCDE      5.21    5.21    5.21    5.21    5.21    5.21    5.21    5.21
AJCDD     12.19   10.83   10.16    9.45    8.83    8.16    6.42    4.05

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ALT       55000   WASIZE      640   PT2/PT2P  0.971   WBL3       0.
MO         1.50   PAM         1.3   PT2         4.7   WBL4       0.
VA KTS      863   TAM         390   TT2         566   HPEXT   500.0

MAXTHR   MAX D/H                                      MIN D/H NOT LIT

FNT       14761   13227   12523   11757   11047   10254    8160    5517
FGT       23227   21713   21019   20287   19515   18740   16846   14222
WAT         188     188     188     188     188     188     188     188
WFT       25706   23069   21227   18157   16576   14702   10391    6420
TSFC      2.015   1.749   1.695   1.560   1.528   1.459   1.294   1.180
BPR        1.71    1.71    1.71    1.71    1.71    1.71    1.71    1.70
WAT2        608     608     608     608     608     608     608     608

N1         5641    5641    5641    5641    5641    5641    5641    5674
N2         7702    7702    7702    7702    7702    7702    7702    7757
PT30        9.7     9.7     9.7     9.7     9.7     9.7     9.7    10.2
PT4        43.5    43.5    43.5    43.5    43.5    43.5    43.5    45.2
TT30        724     724     724     724     724     724     724     733
TT4        1133    1133    1133    1133    1133    1133    1143    1149

PT9         7.9     7.9     7.9     7.9     7.9     7.9     7.9     8.2
PTD         7.8     8.1     8.2     8.3     8.4     8.5     8.7     9.5
TT9        2005    2005    2005    2005    2005    2005    2005    2004
TTD        3560    3000    2750    2500    2250    2000    1404     733
WAS/WAP  0.0463  0.0432  0.0418  0.0405  0.0391  0.0376  0.0312  0.0232
VENG       1978    1978    1978    1978    1978    1978    1978    1978
VDUCT      2617    2407    2307    2203    2093    1976    1664    1210
AJCDE      5.21    5.21    5.21    5.21    5.21    5.21    5.21    5.21
AJCDD     13.19   11.52   10.79   10.07    9.35    8.64    6.92    4.40

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ALT       55000   WASIZE      640   PT2/PT2P  0.945   WBL3       0.
MO         1.80   PAM         1.3   PT2         7.2   WBL4       0.
VA KTS     1032   TAM         390   TT2         643   HPEXT   500.0

MAXTHR   MAX D/H                                      MIN D/H NOT LIT

FNT       19037   16923   15797   14743   13651   12502    9827    6120
FGT       32329   30095   29070   28016   26923   25775   23102   19352
WAT         245     245     245     245     245     245     245     245
WFT       38131   30144   26894   23817   21083   18446   13262    7610
TSFC      2.033   1.792   1.702   1.615   1.544   1.475   1.349   1.244
BPR        1.86    1.86    1.86    1.86    1.86    1.86    1.86    1.85
WAT2        555     555     555     555     555     555     555     555

N1         5428    5428    5428    5428    5428    5428    5428    5457
N2         7840    7840    7840    7840    7840    7840    7840    7877
PT30       13.3    13.3    13.3    13.3    13.3    13.3    13.3    13.8
PT4        54.0    54.0    54.0    54.0    54.0    54.0    54.0    55.9
TT30        793     793     793     793     793     793     793     800
TT4        1201    1201    1201    1201    1201    1201    1201    1216

PT9         9.8     9.8     9.8     9.8     9.8     9.8     9.8    10.1
PTD        10.8    11.1    11.3    11.4    11.6    11.7    12.0    12.8
TT9        2004    2004    2004    2004    2004    2004    2004    2004
TTD        3560    3000    2750    2500    2250    2000    1467     800
WAS/WAP  0.0433  0.0406  0.0394  0.0381  0.0367  0.0353  0.0321  0.0276
VENG       1979    1979    1979    1978    1978    1978    1978    1977
VDUCT      2617    2408    2308    2203    2093    1976    1700    1264
AJCDE      5.20    5.20    5.20    5.20    5.20    5.20    5.20    5.20
AJCDD     12.79   11.19   10.49    9.75    9.10    8.42    6.94    4.59

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ALT       55000   WASIZE      640   PT2/PT2P  0.925   WBL3       0.
MO         2.00   PAM         1.3   PT2         9.6   WBL4       0.
VA KTS     1147   TAM         390   TT2         702   HPEXT   500.0

MAXTHR   MAX D/H                                      MIN D/H NOT LIT

FNT       22439   19582   18384   17054   15676   14232   11250    6740
FGT       39283   37165   35868   34537   33159   31716   28734   24223
WAT         291     291     291     291     291     291     291     291
WFT       44253   34724   30855   27307   24061   20941   15145    8672
TSFC      1.967   1.764   1.681   1.601   1.535   1.471   1.368   1.287
BPR        1.86    1.86    1.86    1.86    1.86    1.86    1.86    1.90
WAT2        515     515     515     515     515     515     515     518

N1         5390    5390    5390    5390    5390    5390    5390    5420
N2         7919    7919    7919    7919    7919    7919    7919    7960
PT30       17.0    17.0    17.0    17.0    17.0    17.0    17.0    17.6
PT4        64.1    64.1    64.1    64.1    64.1    64.1    64.1    66.3
TT30        853     853     853     853     853     853     853     860
TT4        1258    1258    1258    1258    1258    1258    1258    1273

PT9        11.6    11.6    11.6    11.6    11.6    11.6    11.6    12.0
PTD        14.3    14.6    14.8    15.0    15.1    15.3    15.5    16.5
TT9        2003    2003    2003    2003    2003    2003    2003    2002
TTD        3560    3000    2750    2500    2250    2000    1521     860
WAS/WAP  0.0415  0.0389  0.0377  0.0364  0.0351  0.0338  0.0310  0.0268
VENG       1977    1977    1977    1977    1977    1977    1977    1977
VDUCT      2617    2408    2308    2203    2093    1976    1750    1310
AJCDE      5.20    5.20    5.20    5.20    5.20    5.20    5.20    5.20
AJCDD     11.46   10.08    9.47    8.85    8.25    7.65    6.47    4.40

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ALT       55000   WASIZE      640   PT2/PT2P  0.904   WBL3       0.
MO         2.20   PAM         1.3   PT2        12.7   WBL4       0.
VA KTS     1262   TAM         390   TT2         767   HPEXT   500.0

MAXTHR   MAX D/H                                      MIN D/H NOT LIT

FNT       26729   22713   21102   19442   17735   15952   12771    7376
FGT       48835   45323   43712   42053   40345   38562   35381   29986
WAT         342     342     342     342     342     342     342     342
WFT       50723   39597   35135   30526   27119   23471   17765    9874
TSFC      1.934   1.743   1.665   1.591   1.529   1.471   1.391   1.339
BPR        1.86    1.86    1.86    1.86    1.86    1.86    1.86    1.85
WAT2        474     474     474     474     474     474     474     474

N1         5340    5340    5340    5340    5340    5340    5340    5376
N2         7968    7968    7968    7968    7968    7968    7968    8014
PT30       22.2    22.2    22.2    22.2    22.2    22.2    22.2    22.8
PT4        75.8    75.8    75.8    75.8    75.8    75.8    75.8    78.5
TT30        920     920     920     920     920     920     920     927
TT4        1318    1318    1318    1318    1318    1318    1318    1333

PT9        13.6    13.6    13.6    13.6    13.6    13.6    13.6    14.1
PTD        19.3    19.7    19.8    20.0    20.2    20.3    20.5    21.6
TT9        2001    2001    2001    2001    2001    2001    2001    2001
TTD        3560    3000    2750    2500    2250    2000    1542     927
WAS/WAP  0.0397  0.0372  0.0360  0.0348  0.0336  0.0323  0.0300  0.0261
VENG       1976    1976    1976    1976    1976    1976    1976    1976
VDUCT      2618    2405    2304    2203    2093    1977    1764    1359
AJCDE      5.21    5.21    5.21    5.21    5.21    5.21    5.21    5.20
AJCDD      9.96    8.80    8.29    7.78    7.27    6.76    5.87    4.11

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ALT       55000   WASIZE      640   PT2/PT2P  0.870   WBL3       0.
MO         2.50   PAM         1.3   PT2        17.8   WBL4       0.
VA KTS     1434   TAM         390   TT2         875   HPEXT   500.0

MAXTHR   MAX D/H                                      MIN D/H NOT LIT

FNT       31717   27046   24906   22815   20456   18126   15035    8240
FGT       63877   59206   57067   54876   52626   50286   47195   40501
WAT         428     428     428     428     428     428     428     428
WFT       60475   46782   41282   36106   31416   26937   21604   11971
TSFC      1.907   1.730   1.658   1.592   1.535   1.486   1.437   1.423
BPR        1.80    1.80    1.80    1.80    1.80    1.80    1.80    1.78
WAT2        412     412     412     412     412     412     412     412

N1         5274    5274    5274    5274    5274    5274    5274    5326
N2         8031    8031    8031    8031    8031    8031    8031    8094
PT30       32.8    32.8    32.8    32.8    32.8    32.8    32.8    33.6
PT4        97.5    97.5    97.5    97.5    97.5    97.5    97.5   101.4
TT30       1035    1035    1035    1035    1035    1035    1035    1043
TT4        1418    1418    1418    1418    1418    1418    1418    1434

PT9        17.4    17.4    17.4    17.4    17.4    17.4    17.4    18.1
PTD        29.7    30.1    30.2    30.4    30.5    30.7    30.9    32.1
TT9        1999    1999    1999    1999    1999    1999    1999    1998
TTD        3560    3000    2750    2500    2250    2000    1686    1043
WAS/WAP  0.0371  0.0348  0.0337  0.0326  0.0314  0.0302  0.0287  0.0252
VENG       1975    1975    1975    1975    1975    1975    1975    1975
VDUCT      2619    2408    2308    2204    2093    1977    1820    1441
AJCDE      5.20    5.20    5.20    5.20    5.20    5.20    5.20    5.20
AJCDD      7.59    7.11    6.72    6.32    5.93    5.52    4.99    3.81

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ALT	55000	WASIZE	640	PT2/PT2P	0.844	WBL3	0.
MO	2.72	PAM	1.3	PT2	26.3	WBL4	0.
VA KTS	1561	TAM	390	TT2	964	HPEXT	500.0

MAXTHR	MAX D/H						MIN D/H NOT LIT
FNT	35118	30411	27814	25191	22472	19647	16798	8940
FGT	75972	71265	68689	66045	63326	60501	57652	49794
WAT	503	503	503	503	503	503	503	503
WFT	67858	52641	45149	40283	34939	29587	24766	13347
TSFC	1.932	1.731	1.623	1.600	1.555	1.506	1.474	1.493
BPR	1.79	1.79	1.79	1.79	1.79	1.79	1.79	1.76
WAT2	382	382	382	382	382	382	382	382
N1	5240	5240	5240	5240	5240	5240	5240	5298
N2	8131	8131	8131	8131	8131	8131	8131	8175
PT3D	41.9	41.9	41.9	41.9	41.9	41.9	41.9	42.9
PT4	116.0	116.0	116.0	116.0	116.0	116.0	116.0	120.4
TT3D	1116	1116	1116	1116	1116	1116	1116	1124
TT4	1491	1491	1491	1491	1491	1491	1491	1507
PT9	20.6	20.6	20.6	20.6	20.6	20.6	20.6	21.3
PTD	38.5	39.0	39.2	39.3	39.5	39.6	39.7	41.2
TT9	1997	1997	1997	1997	1997	1997	1997	1996
TTD	3560	3000	2750	2500	2250	2000	1760	1124
MAS/WAP	0.0355	0.0333	0.0322	0.0312	0.0301	0.0290	0.0278	0.0246
VENG	1975	1975	1975	1975	1975	1975	1975	1974
VOUCT	2617	2409	2308	2204	2094	1977	1958	1494
AJCOE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.20
AJCOD	7.19	6.42	6.07	5.72	5.37	5.01	4.64	3.44

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ALT	65000	WASIZE	640	PT2/PT2P	0.962	WBL3	0.
MO	1.60	PAM	C.8	PT2	3.4	WBL4	0.
VA KTS	914	TAM	390	TT2	590	HPEXT	500.0

MAXTHR	MAX D/H						MIN D/H NOT LIT
FNT	9795	8335	7868	7382	6878	6342	4780	2063
FGT	15931	14472	14004	13518	13014	12478	10916	8206
WAT	127	127	127	127	127	127	127	127
WFT	22921	17526	15604	13777	12127	10580	6945	3507
TSFC	2.340	2.102	1.983	1.865	1.763	1.668	1.453	1.275
BPR	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02
WAT2	591	591	591	591	591	591	591	591
N1	5505	5505	5505	5505	5505	[illegible]	5505	5525
N2	7408	7408	7408	7408	7408	7408	7408	7450
PT3D	5.7	5.7	5.7	5.7	5.7	5.7	5.7	6.0
PT4	26.5	26.5	26.5	26.5	26.5	26.5	26.5	27.3
TT3D	725	725	725	725	725	725	725	731
TT4	1131	1131	1131	1131	1131	1131	1131	1145
PT9	4.8	4.8	4.8	4.8	4.8	4.8	4.8	5.0
PTD	4.1	4.3	4.4	4.4	4.6	4.7	4.9	5.4
TT9	2014	2014	2014	2014	2014	2014	2014	2012
TTD	3560	3000	2750	2500	2250	2000	1355	731
MAS/WAP	0.0455	0.0426	0.0412	0.0399	0.0384	0.0369	0.0327	0.0290
VENG	1982	1982	1982	1982	1982	1982	1982	1982
VOUCT	2616	2407	2307	2202	2092	1976	1634	1209
AJCOE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.22
AJCOD	18.34	15.73	14.61	13.51	12.42	11.37	9.79	5.57

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ALT	65000	WASIZE	640	PT2/PT2P	0.954	WBL3	0.
MO	1.70	PAM	C.8	PT2	3.5	WBL4	0.
VA KTS	975	TAM	390	TT2	616	HPEXT	500.0

MAXTHR	MAX D/H						MIN D/H NOT LIT
FNT	10314	9147	8609	8050	7472	6858	5213	3216
FGT	17435	16268	15730	15172	14593	13979	12334	10337
WAT	139	139	139	139	139	139	139	139
WFT	23641	18312	16301	14401	12684	11057	7491	4161
TSFC	2.292	2.002	1.894	1.789	1.698	1.612	1.437	1.295
BPR	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05
WAT2	573	573	573	573	573	573	573	573
N1	5436	5436	5436	5436	5436	5436	5436	5494
N2	7485	7485	7485	7485	7485	7485	7485	7525
PT3D	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.8
PT4	28.7	28.7	28.7	28.7	28.7	28.7	28.7	29.6
TT3D	750	750	750	750	750	750	750	757
TT4	1156	1156	1156	1156	1156	1156	1156	1173
PT9	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.4
PTD	4.7	4.9	5.0	5.1	5.3	5.4	5.6	6.1
TT9	2013	2013	2013	2013	2013	2013	2013	2012
TTD	3560	3000	2750	2500	2250	2000	[illegible]	757
MAS/WAP	0.0445	0.0417	0.0404	0.0390	0.0376	0.0361	0.0323	0.0276
VENG	1982	1982	1982	1982	1982	1982	1982	1981
VOUCT	2617	2407	2307	2203	2093	1976	1662	1230
AJCOE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.21
AJCOD	17.24	14.84	13.81	12.80	11.75	10.82	9.54	5.49

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ALT	65000	WASIZE	640	PT2/PT2P	0.945	WBL3	0.
MO	1.80	PAM	C.8	PT2	4.5	WBL4	0.
VA KTS	1032	TAM	390	TT2	643	HPEXT	500.0

MAXTHR	MAX D/H						MIN D/H NOT LIT
FNT	11353	10047	9410	8775	8111	7410	5724	3414
FGT	19563	18257	17620	17005	16321	15620	13946	11624
WAT	152	152	152	152	152	152	152	152
WFT	24151	19022	16934	14981	13201	11508	8105	4497
TSFC	2.127	1.893	1.800	1.707	1.628	1.553	1.416	1.313
BPR	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06
WAT2	555	555	555	555	555	555	555	555
N1	5386	5386	5386	5386	5386	5386	5386	5408
N2	7552	7552	7552	7552	7552	7552	7552	7593
PT3D	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.7
PT4	31.2	31.2	31.2	31.2	31.2	31.2	31.2	32.2
TT3D	778	778	778	778	778	778	778	784
TT4	1182	1182	1182	1182	1182	1182	1182	1196
PT9	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.9
PTD	5.6	5.8	5.9	6.0	6.1	6.2	6.4	7.0
TT9	2012	2012	2012	2012	2012	2012	2012	2012
TTD	3560	3000	2750	2500	2250	2000	1452	784
MAS/WAP	0.0436	0.0408	0.0395	0.0382	0.0368	0.0353	0.0319	0.0272
VENG	1981	1981	1981	1981	1981	1981	1981	1981
VOUCT	2617	2408	2308	2203	2093	1976	1692	1252
AJCOE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20
AJCOD	15.32	13.79	12.86	11.93	11.03	10.15	8.24	5.34

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ALT	65000	WASIZE	640	PT2/PT2P	0.925	WBL3	0.
MO	2.03	PAM	C.8	PT2	6.0	WBL4	0.
VA KTS	1147	TAM	390	TT2	707	HPEXT	500.0

MAXTHR	MAX D/H						MIN D/H NOT LIT
FNT	13701	11964	11162	10335	9483	8584	6669	3902
FGT	24542	22805	22003	21176	20324	19426	17510	14743
WAT	180	180	180	180	180	180	180	180
WFT	27958	21866	19429	17126	15053	13059	9425	5109
TSFC	2.041	1.828	1.740	1.657	1.587	1.521	1.413	1.344
BPR	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.05
WAT2	515	515	515	515	515	515	515	515
N1	5345	5345	5345	5345	5345	5345	5345	5367
N2	7672	7672	7672	7672	7672	7672	7672	7709
PT3D	9.8	9.8	9.8	9.8	9.8	9.8	9.8	10.1
PT4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	38.6
TT3D	839	839	839	839	839	839	839	845
TT4	1241	1241	1241	1241	1241	1241	1241	1256
PT9	6.8	6.8	6.8	6.8	6.8	6.8	6.8	7.0
PTD	7.9	8.1	8.2	8.3	8.5	8.6	8.7	9.3
TT9	2009	2009	2009	2009	2009	2009	2009	2009
TTD	3560	3000	2750	2500	2250	2000	1508	845
MAS/WAP	0.0417	0.0390	0.0378	0.0365	0.0352	0.0338	0.0304	0.0265
VENG	1980	1980	1980	1980	1980	1980	1980	1980
VOUCT	2617	2408	2309	2203	2093	1976	1723	1299
AJCOE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.20
AJCOD	13.32	11.63	10.89	10.15	9.44	8.72	7.31	4.95

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ALT	65000	WASIZE	640	PT2/PT2P	0.904	WBL3	0.
MO	2.20	PAM	C.8	PT2	8.0	WBL4	0.
VA KTS	1262	TAM	390	TT2	767	HPEXT	500.0

MAXTHR	MAX D/H						MIN D/H NOT LIT
FNT	16154	13960	12954	11917	10847	9729	7675	5255
FGT	30175	27981	26975	25938	24868	23750	21696	19276
WAT	212	212	212	212	212	212	212	212
WFT	31955	24879	22040	19363	16943	14622	10903	5875
TSFC	1.978	1.782	1.701	1.625	1.562	1.503	1.420	1.120
BPR	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
WAT2	474	474	474	474	474	474	474	474
N1	5294	5294	5294	5294	5294	5294	5294	5324
N2	7773	7773	7773	7773	7773	7773	7773	7827
PT3D	13.1	13.1	13.1	13.1	13.1	13.1	13.1	[illegible]
PT4	44.7	44.7	44.7	44.7	44.7	44.7	44.7	46.2
TT3D	908	908	908	908	908	908	908	915
TT4	1304	1304	1304	1304	1304	1304	1304	1319
PT9	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.3
PTD	11.0	11.3	11.4	11.5	11.7	11.8	11.9	12.6
TT9	2008	2008	2008	2008	2008	2008	2009	2007
TTD	3560	3000	2750	2500	2250	2000	1571	515
MAS/WAP	0.0398	0.0373	0.0361	0.0349	0.0336	0.0323	0.0291	0.0258
VENG	1980	1980	1980	1980	1980	1980	1980	1979
VOUCT	2618	2408	2308	2203	2093	1977	1758	1350
AJCOE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20
AJCOD	11.05	9.73	9.14	8.56	7.99	7.41	6.40	4.45

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ALT       65000     WASIZE      660    PT2/PT2P  0.870    WBL3         0.
MO         2.52     PAM         0.8    PT2        12.3    WBL4         0.
VA KTS     1444     TAM         390    TT2         875    HPEXT     500.0

MAXTHR    MAX D/H                                         MIN D/H NOT LIT

FNT       17685     16751     15408     14033     12620     11149      9151      4908
FGT       37522     36606     35151     33975     32562     31092     29046     24850
WAT         265       265       265       265       265       265       265       265
WFT       33772     29317     25841     22570     19606     16773     13312      7144
TSFC      1.929     1.753     1.677     1.608     1.554     1.504     1.455     1.456
BPR        1.90      1.90      1.90      1.90      1.90      1.90      1.90      1.89
WAT2        412       412       412       412       412       412       412       412

N1         5229      5229      5229      5229      5229      5229      5229      5271
N2         7911      7911      7911      7911      7911      7911      7911      7969
PT30       19.7      19.7      19.7      19.7      19.7      19.7      19.7      20.2
PT4        58.3      58.3      58.3      58.3      58.3      58.3      58.3      60.5
TT30       1026      1026      1026      1026      1026      1026      1026      1033
TT4        1406      1406      1406      1406      1406      1406      1406      1422

PT9        10.4      10.4      10.4      10.4      10.4      10.4      10.4      10.8
PTD        17.6      17.9      18.0      18.1      18.2      18.3      18.4      19.2
TT9        2005      2005      2005      2005      2005      2005      2005      2004
TTD        3560      3000      2750      2500      2250      2000      1678      1033
WAS/WAP  0.0372    0.0364    0.0339    0.0326    0.0315    0.0303    0.0286    0.0250
VENG       1978      1978      1978      1978      1978      1978      1978      1978
VDUCT      2419      2408      2309      2204      2093      1977      1815      1434
AJCDE      5.20      5.20      5.20      5.20      5.20      5.20      5.20      5.20
AJCDD      8.51      7.55      7.13      6.71      6.28      5.85      5.27      3.81

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ALT       65000     WASIZE      660    PT2/PT2P  0.866    WBL3         0.
MC         2.70     PAM         0.8    PT2        16.1    WBL4         0.
VA KTS     1549     TAM         390    TT2         954    HPEXT     500.0

MAXTHR    MAX D/H                                         MIN D/H NOT LIT

FNT       22440     19974     17244     15580     13879     12105     10210      5941
FGT       47785     44219     42550     40032     39225     37451     35616     30637
WAT         312       312       312       312       312       312       312       312
WFT       43174     34874     28904     25165     21717     18423     14801      9060
TSFC      1.925     1.746     1.676     1.615     1.565     1.522     1.450     1.523
BPR        1.87      1.87      1.87      1.87      1.87      1.87      1.87      1.86
WAT2        382       382       382       382       382       382       382       382

N1         5188      5188      5188      5188      5188      5188      5188      5238
N2         8039      8039      8039      8039      8039      8039      8039      8082
PT30       25.3      25.3      25.3      25.3      25.3      25.3      25.1      25.9
PT4        69.7      69.7      69.7      69.7      69.7      69.7      69.7      72.2
TT30       1108      1108      1108      1108      1108      1108      1108      1116
TT4        1481      1481      1481      1481      1481      1481      1481      1494

PT9        12.4      12.4      12.4      12.4      12.4      12.4      12.4      12.8
PTD        23.1      23.4      23.5      23.6      23.7      23.8      23.9      24.8
TT9        2003      2003      2003      2003      2003      2003      2003      2002
TTD        3560      3000      2750      2500      2250      2000      1753      1118
WAS/WAP  0.0356    0.0334    0.0323    0.0312    0.0301    0.0293    0.0277    0.0245
VENG       1978      1978      1978      1978      1978      1978      1978      1977
VDUCT      2618      2408      2308      2204      2093      1977      1854      1491
AJCDE      5.20      5.20      5.20      5.20      5.20      5.20      5.20      5.20
AJCDD      7.56      6.74      6.37      6.00      5.63      5.25      4.85      3.25

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ALT       75000     WASIZE      660    PT2/PT2P  0.925    WBL3         0.
MO         2.00     PAM         0.5    PT2         3.7    WBL4         0.
VA KTS     1154     TAM         395    TT2         711    HPEXT     500.0

MAXTHR    MAX D/H                                         MIN D/H NOT LIT

FNT        7919      6864      6387      5896      5303      4838      3462      1490
FGT       14664     13509     13132     12641     12127     11583     10207      8624
WAT         111       111       111       111       111       111       111       111
WFT       20703     15425     13561     11848     10276      8799      5713      2301
TSFC      2.614     2.248     2.121     2.009     1.939     1.819     1.650     1.544
BPR        2.45      2.45      2.45      2.45      2.45      2.45      2.45      2.42
WAT2        515       515       515       515       515       515       515       515

N1         5263      5263      5263      5263      5263      5263      5263      5293
N2         7276      7276      7276      7276      7276      7276      7276      7346
PT30        5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.3
PT4        20.4      20.4      20.4      20.4      20.4      20.4      20.4      21.2
TT30        825       825       825       825       825       825       825       831
TT4        1219      1219      1219      1219      1219      1219      1219      1234

PT9         3.7       3.7       3.7       3.7       3.7       3.7       3.7       3.9
PTD         3.5       3.7       3.8       3.9       4.0       4.0       4.2       4.7
TT9        2021      2021      2021      2021      2021      2021      2021      2020
TTD        3560      3000      2750      2500      2250      2000      1420       832
WAS/WAP  0.0419    0.0391    0.0378    0.0365    0.0351    0.0336    0.0300    0.0255
VENG       1986      1986      1986      1986      1986      1986      1986      1985
VDUCT      2416      2407      2301      2202      2092      1976      1679      1288
AJCDE      5.21      5.21      5.21      5.21      5.21      5.21      5.21      5.20
AJCDD     17.89     15.89     15.62     14.39     13.21     12.09      9.60      6.34

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ALT       75000     WASIZE      660    PT2/PT2P  0.904    WBL3         0.
MC         2.20     PAM         0.5    PT2         5.0    WBL4         0.
VA KTS     1270     TAM         395    TT2         776    HPEXT     500.0

MAXTHR    MAX D/H                                         MIN D/H NOT LIT

FNT        9693      8339      7717      7071      6406      5707      4342      2263
FGT       18416     17062     16440     15796     15129     14430     13115     10568
WAT         131       131       131       131       131       131       131       131
WFT       20326     15725     13879     12140     10570      9063      6587      3379
TSFC      2.097     1.886     1.798     1.716     1.650     1.588     1.517     1.493
BPR        2.32      2.32      2.32      2.32      2.32      2.32      2.32      2.25
WAT2        474       474       474       474       474       474       474       474

N1         5222      5222      5222      5222      5222      5222      5222      5263
N2         7477      7477      7477      7477      7477      7477      7477      7545
PT30        7.3       7.3       7.3       7.3       7.3       7.3       7.3       7.5
PT4        25.0      25.0      25.0      25.0      25.0      25.0      25.0      26.0
TT30        839       839       839       839       839       839       839       865
TT4        1288      1288      1288      1288      1288      1288      1288      1304

PT9         4.5       4.5       4.5       4.5       4.5       4.5       4.5       4.7
PTD         5.8       5.9       6.0       6.1       6.2       6.3       6.4       6.9
TT9        2017      2017      2017      2017      2017      2017      2017      2016
TTD        3560      3000      2750      2500      2250      2000      1559       965
WAS/WAP  0.0399    0.0373    0.0361    0.0348    0.0335    0.0321    0.0296    0.0257
VENG       1984      1984      1984      1984      1984      1984      1984      1983
VDUCT      2617      2408      2308      2202      2093      1976      1752      1366
AJCDE      5.21      5.21      5.21      5.21      5.21      5.21      5.21      5.21
AJCDD     13.71     11.95     11.17     10.42      9.68      8.55      7.64      5.21

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ALT       75000     WASIZE      660    PT2/PT2P  0.870    WBL3         0.
MO         2.52     PAM         0.5    PT2         7.0    WBL4         0.
VA KTS     1443     TAM         395    TT2         896    HPEXT     500.0

MAXTHR    MAX D/H                                         MIN D/H NOT LIT

FNT       12057     10217      9372      8505      7614      6686      5408      2705
FGT       24465     22675     21780     20913     20022     19094     17816     15112
WAT         164       164       164       164       164       164       164       164
WFT       23859     18343     16125     14037     12145     10337      8000      4144
TSFC      1.980     1.795     1.721     1.650     1.595     1.546     1.478     1.532
BPR        2.10      2.10      2.10      2.10      2.10      2.10      2.10      2.09
WAT2        412       412       412       412       412       412       412       412

N1         5180      5180      5180      5180      5180      5180      5180      5218
N2         7745      7745      7745      7745      7745      7745      7745      7795
PT30       11.5      11.5      11.5      11.5      11.5      11.5      11.5      11.8
PT4        33.7      33.7      33.7      33.7      33.7      33.7      33.7      34.9
TT30       1022      1022      1022      1022      1022      1022      1022      1028
TT4        1399      1399      1399      1399      1399      1399      1399      1414

PT9         6.0       6.0       6.0       6.0       6.0       6.0       6.0       6.2
PTD        10.1      10.3      10.4      10.4      10.5      10.6      10.6      11.1
TT9        2012      2012      2012      2012      2012      2012      2012      2011
TTD        3560      3000      2750      2500      2250      2000      1676      1028
WAS/WAP  0.0372    0.0348    0.0337    0.0325    0.0313    0.0301    0.0284    0.0247
VENG       1982      1982      1982      1982      1982      1982      1982      1981
VDUCT      2618      2404      2308      2204      2093      1977      1813      1432
AJCDE      5.20      5.20      5.20      5.20      5.20      5.20      5.20      5.21
AJCDD      9.48      8.35      7.90      7.43      6.95      6.47      5.81      4.29

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ALT       75000     WASIZE      660    PT2/PT2P  0.848    WBL3         0.
MC         2.72     PAM         0.5    PT2        10.1    WBL4         0.
VA KTS     1558     TAM         395    TT2         955    HPEXT     500.0

MAXTHR    MAX D/H                                         MIN D/H NOT LIT

FNT       13795     11559     10522      9476      8399      7279      6117      2769
FGT       29565     27320     26293     25247     24169     23049     21892     19721
WAT         193       193       193       193       193       193       193       193
WFT       27093     20591     17975     15624     13428     11332      9332      4311
TSFC      1.964     1.792     1.708     1.649     1.599     1.557     1.527     1.557
BPR        2.04      2.04      2.04      2.04      2.04      2.04      2.04      2.03
WAT2        382       382       382       382       382       382       382       382

N1         5127      5127      5127      5127      5127      5127      5127      5171
N2         7903      7903      7903      7903      7903      7903      7903      7945
PT30       15.0      15.0      15.0      15.0      15.0      15.0      15.0      15.4
PT4        40.6      40.6      40.6      40.6      40.6      40.6      40.6      42.1
TT30       1107      1107      1107      1107      1107      1107      1107      1113
TT4        1477      1477      1477      1477      1477      1477      1477      1492

PT9         7.2       7.2       7.2       7.2       7.2       7.2       7.2       7.4
PTD        13.5      13.7      13.8      13.8      13.9      14.0      14.0      14.6
TT9        2010      2010      2010      2010      2010      2010      2010      2009
TTD        3560      3000      2750      2500      2250      2000      1751      1119
WAS/WAP  0.0355    0.0333    0.0322    0.0311    0.0300    0.0293    0.0276    0.0242
VENG       1981      1981      1981      1981      1981      1981      1981      1980
VDUCT      2618      2408      2308      2204      2093      1977      1851      1477
AJCDE      5.21      5.21      5.21      5.21      5.21      5.21      5.21      5.21
AJCDD      8.24      7.37      6.92      6.51      6.11      5.64      5.25      3.89

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ALT       55000   WASIZE        SAC   PT2/PT2P  0.904    WPL3        0.
MO         2.20   PAM           1.3   PT2        12.9    WPL4        0.
VA KTS     1262   TAM           390   TT2         767    HPEXT    500.0

MAXTHR   MAX D/H        H                                MIN D/H NOT LIT

FNT       26419   22974   21250   19577   17456   16055   12932    7280
FGT       46213   45669   44764   42372   40649   38852   35627   32175
WAT         366     366     366     366     366     366     366     366
WFT       52219   39970   35418   31201   27352   23693   17721    9901
TSFC      1.995   1.767   1.665   1.594   1.537   1.476   1.371   1.360
BPR        1.90    1.88    1.89    1.89    1.88    1.84    1.84    1.87
WAT2        474     478     478     478     478     478     478     478

N1         5356    5356    5356    5356    5356    5356    5356    5349
N2         7953    7969    7965    7965    7969    7964    7959    8214
PT30       22.0    22.0    22.0    22.0    22.0    22.0    22.0    22.7
PT4        76.0    76.0    76.0    76.0    76.0    76.0    76.0    74.6
TT30        919     919     919     919     919     919     919     925
TT4        1319    1319    1319    1319    1319    1319    1319    1334

PT9        13.7    13.7    13.7    13.7    13.7    13.7    13.7    14.1
PTD        19.3    19.4    19.6    19.8    19.9    20.1    20.3    21.4
TT9        2001    2001    2001    2001    2001    2001    2001    2000
TTD        3560    3000    2750    2500    2250    2000    1587     525
WAS/WAP  0.0387  0.0372  0.0360  0.0348  0.0336  0.0324  0.0300  0.0260
VENG       1975    1976    1976    1976    1976    1976    1976    1976
VDUCT      2618    2408    2308    2207    2093    1977    1763    1758
AJCDE      5.21    5.21    5.21    5.21    5.21    5.21    5.21    5.20
AJCDD     10.20    9.21    8.47    7.55    7.43    6.99    5.47    4.19

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ALT       55000   WASIZE        SAC   PT2/PT2P  0.870    WPL3        0.
MO         2.50   PAM           1.3   PT2        19.9    WPL4        0.
VA KTS     1434   TAM           390   TT2         875    HPEXT    500.0

MAXTHR   MAX D/H                                         MIN D/H NOT LIT

FNT       33246   29357   26091   23763   21384   18520   15517    9265
FGT       67019   62279   59441   57491   55105   52621   49214   42069
WAT         448     448     448     448     448     448     448     448
WFT       64116   49472   43592   38055   33043   28251   22311   13549
TSFC      1.929   1.765   1.671   1.601   1.545   1.495   1.442   1.471
BPR        1.91    1.91    1.91    1.91    1.91    1.91    1.91    1.99
WAT2        432     432     432     432     432     432     432     432

N1         5347    5347    5347    5347    5347    5347    5347    5386
N2         8033    8033    8033    8033    8033    8033    8033    8097
PT30       31.8    31.8    31.8    31.8    31.8    31.8    31.8    32.6
PT4        94.5    94.5    94.5    94.5    94.5    94.5    94.5   102.5
TT30       1025    1025    1025    1025    1025    1025    1025    1033
TT4        1422    1422    1422    1422    1422    1422    1422    1437

PT9        17.6    17.6    17.6    17.6    17.6    17.6    17.6    19.2
PTD        23.1    23.4    24.0    23.4    25.2    24.9    29.5    30.5
TT9        1799    1798    1998    1998    1998    1998    1999    1997
TTD        3560    3000    2750    2500    2250    2000    1677    1233
WAS/WAP  0.0372  0.0360  0.0348  0.0328  0.0315  0.0302  0.0266  0.0250
VENG       1975    1975    1975    1975    1975    1975    1975    1974
VDUCT      2618    2408    2308    2204    2093    1977    1815    1437
AJCDE      5.20    5.20    5.20    5.20    5.20    5.20    5.20    5.21
AJCDD      9.01    7.99    7.94    7.03    6.67    6.17    5.56    4.70

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ALT       55000   WASIZE        SAC   PT2/PT2P  0.946    WPL3        0.
MO         2.70   PAM           1.3   PT2        26.7    WPL4        0.
VA KTS     1548   TAM           390   TT2         954    HPEXT    500.0

MAXTHR   MAX D/H                                         MIN D/H NOT LIT

FNT       38367   32268   29478   26638   23713   20673   17680    8916
FGT       81623   75525   72735   69954   66970   63529   60736   52173
WAT         533     533     533     533     533     533     533     533
WFT       73928   56304   49264   42912   36590   31319   25875   13410
TSFC      1.926   1.745   1.671   1.611   1.559   1.515   1.463   1.504
BPR        1.91    1.91    1.91    1.91    1.91    1.91    1.91    1.90
WAT2        404     404     404     404     404     404     404     404

N1         5328    5328    5328    5328    5328    5328    5328    5367
N2         8140    8140    8140    8140    8140    8140    8140    8182
PT30       40.6    40.6    40.6    40.6    40.6    40.6    40.6    41.5
PT4       117.4   117.4   117.4   117.4   117.4   117.4   117.4   121.6
TT30       1104    1104    1104    1104    1104    1104    1104    1111
TT4        1496    1496    1496    1496    1496    1496    1496    1511

PT9        20.8    20.8    20.8    20.8    20.8    20.8    20.8    21.5
PTD        36.9    37.0    37.3    37.4    37.6    37.8    38.0    39.4
TT9        1995    1995    1995    1995    1995    1995    1995    1995
TTD        3560    3000    2750    2500    2250    2000    1749    1111
WAS/WAP  0.0345  0.0334  0.0323  0.0312  0.0301  0.0289  0.0277  0.0244
VENG       1974    1974    1974    1974    1974    1974    1974    1973
VDUCT      2618    2408    2308    2204    2093    1977    1852    1466
AJCDE      5.21    5.21    5.21    5.21    5.21    5.21    5.21    5.21
AJCDD      8.23    7.32    6.91    6.51    6.10    5.68    5.25    3.87

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ALT       65000   WASIZE        SAC   PT2/PT2P  0.904    WPL3        0.
MO         2.20   PAM           0.9   PT2         8.0    WPL4        0.
VA KTS     1262   TAM           390   TT2         767    HPEXT    500.0

MAXTHR   MAX D/H                                         MIN D/H NOT LIT

FNT       16755   14049   13036   11391   10513    9785    7758    4258
FGT       30393   28184   27171   26175   25046   23520   21843   14332
WAT         214     214     214     214     214     214     214     214
WFT       32263   25109   22240   19533   17097   14741   10970    5957
TSFC      1.994   1.787   1.706   1.675   1.566   1.506   1.423   1.393
BPR        2.02    2.02    2.02    2.02    2.02    2.02    2.02    2.07
WAT2        478     478     478     478     478     478     478     478

N1         5311    5311    5311    5311    5311    5311    5311    5341
N2         7774    7774    7774    7774    7774    7774    7774    7821
PT30       13.0    13.0    13.0    13.0    13.0    13.0    13.0    13.3
PT4        44.8    44.8    44.8    44.8    44.8    44.8    44.8    45.9
TT30        907     907     907     907     907     907     907     913
TT4        1305    1305    1305    1305    1305    1305    1305    1320

PT9         8.1     8.1     8.1     8.1     8.1     8.1     8.1     8.3
PTD        10.9    11.1    11.3    11.4    11.5    11.4    11.9    12.5
TT9        2008    2009    2009    2008    2008    2003    2006    2007
TTD        3560    3000    2750    2500    2250    2000    1570     513
WAS/WAP  0.0393  0.0373  0.0361  0.0349  0.0336  0.0323  0.0297  0.0258
VENG       1979    1979    1979    1979    1979    1979    1979    1979
VDUCT      2618    2408    2308    2203    2093    1977    1757    1349
AJCDE      5.20    5.20    5.20    5.20    5.20    5.20    5.20    5.21
AJCDD     11.34    9.97    9.36    8.77    8.19    7.53    6.54    4.54

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ALT       65000   WASIZE        SAC   PT2/PT2P  0.870    WPL3        0.
MO         2.50   PAM           0.9   PT2        12.3    WPL4        0.
VA KTS     1434   TAM           390   TT2         875    HPEXT    500.0

MAXTHR   MAX D/H                                         MIN D/H NOT LIT

FNT       20524   17541   16123   14469   13175   11619    8449    5917
FGT       41535   39451   37034   35580   34035   32529   30356   25828
WAT         278     278     278     278     278     278     278     278
WFT       40294   30968   27261   23772   20608   17585   13800    7201
TSFC      1.949   1.766   1.691   1.620   1.564   1.514   1.461   1.484
BPR        2.01    2.01    2.01    2.01    2.01    2.01    2.01    1.99
WAT2        432     432     432     432     432     432     432     432

N1         5316    5316    5316    5316    5316    5316    5316    5349
N2         7918    7918    7918    7918    7918    7918    7918    7974
PT30       19.1    19.1    19.1    19.1    19.1    19.1    19.1    19.6
PT4        59.0    59.0    59.0    59.0    59.0    59.0    59.0    61.2
TT30       1017    1017    1017    1017    1017    1017    1017    1024
TT4        1411    1411    1411    1411    1411    1411    1411    1426

PT9        10.5    10.5    10.5    10.5    10.5    10.5    10.5    10.9
PTD        16.7    17.0    17.1    17.3    17.4    17.5    17.6    19.4
TT9        2003    2003    2003    2003    2003    2003    2003    2003
TTD        3563    3000    2750    2500    2250    2000    1669    1024
WAS/WAP  0.0373  0.0349  0.0338  0.0327  0.0315  0.0302  0.0285  0.0249
VENG       1977    1977    1977    1977    1977    1977    1977    1977
VDUCT      2619    2408    2308    2203    2093    1977    1811    1427
AJCDE      5.21    5.21    5.21    5.21    5.21    5.21    5.21    5.21
AJCDD      9.58    8.47    7.59    7.51    7.02    6.55    5.84    4.22

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ALT       65000   WASIZE        SAC   PT2/PT2P  0.946    WPL3        0.
MO         2.70   PAM           0.9   PT2        15.9    WPL4        0.
VA KTS     1548   TAM           390   TT2         954    HPEXT    500.0

MAXTHR   MAX D/H                                         MIN D/H NOT LIT

FNT       23915   20004   19258   15479   15659   12749   12687    5201
FGT       50641   46927   45081   43303   41471   35566   37511   32124
WAT         330     330     330     330     330     330     330     330
WFT       46292   35217   30768   26797   23059   19496   15942    9136
TSFC      1.944   1.761   1.686   1.626   1.574   1.530   1.435   1.535
BPR        1.99    1.99    1.99    1.99    1.99    1.99    1.99    1.98
WAT2        404     404     404     404     404     404     404     404

N1         5293    5293    5293    5293    5293    5293    5293    5332
N2         8047    8047    8047    8047    8047    8047    8047    8092
PT30       24.6    24.6    24.6    24.6    24.6    24.6    24.6    25.1
PT4        70.7    70.7    70.7    70.7    70.7    70.7    70.7    73.2
TT30       1097    1097    1097    1097    1097    1097    1097    1104
TT4        1486    1486    1486    1486    1486    1486    1486    1502

PT9        12.6    12.6    12.6    12.6    12.6    12.6    12.6    13.0
PTD        21.9    22.2    22.3    22.5    22.6    22.7    22.8    23.7
TT9        2001    2001    2001    2001    2001    2001    2001    2009
TTD        3560    3000    2750    2500    2250    2000    1742    1104
WAS/WAP  0.0357  0.0336  0.0324  0.0313  0.0301  0.0290  0.0277  0.0243
VENG       1977    1977    1977    1977    1977    1977    1977    1976
VDUCT      2618    2408    2308    2204    2093    1977    1469    1481
AJCDE      5.20    5.20    5.20    5.20    5.20    5.20    5.20    5.21
AJCDD      9.65    7.63    7.25    6.82    6.39    5.95    5.49    4.04

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ALT       75000    WASIZE       640    PT2/PT2R  0.904    WPL3        0.
MO         2.20    PAM          0.5    PT2         5.0    WPL4        0.
VA KTS     1273    TAM          355    TT2         775    HPEXT    500.0

MAXTHR   MAX O/B                                          MIN O/B NOT LIT

FNT        9912     8873     7760     7101     6431     5729     4123     2238
FGT       19528    17157    16542    15875    15225    14522    13177    11032
WAT         132      132      132      132      132      132      132      132
WFT       20526    15926    14063    12264    10590     9161     6626     3357
TSFC      2.117    1.907    1.913    1.730    1.662    1.599    1.512    1.500
BPR        2.36     2.36     2.36     2.36     2.36     2.34     2.36     2.31
WAT2        478      478      478      478      478      478      478      478

N1         5237     5237     5237     5237     5237     5237     5237     5278
N2         7510     7480     7490     7480     7480     7480     7489     7545
PT30        7.2      7.2      7.2      7.2      7.2      7.2      7.2      7.5
PT4        25.1     25.1     25.1     25.1     25.1     25.1     25.1     26.1
TT30        897      897      897      897      897      897      897      904
TT4        1289     1289     1289     1289     1289     1289     1289     1305

PT9         4.5      4.5      4.5      4.5      4.5      4.5      4.5      4.7
PTO         5.6      5.8      5.9      6.0      6.1      6.2      6.1      6.8
TT9        2017     2017     2017     2017     2017     2017     2017     2015
TTO        3362     3000     2750     2500     2250     2000     1956      904
WAS/WAP  0.0387   0.0373   0.0361   0.0349   0.0335   0.0321   0.0295   0.0253
VENG       1984     1984     1984     1984     1984     1984     1984     1583
VDUCT      2417     2449     2309     2201     2093     1976     1750     1343
AJCOF      5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCOD     14.22    12.35    11.54    10.75     9.98     9.22     7.86     5.33

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ALT       75000    WASIZE       640    PT2/PT2R  0.870    WPL3        0.
MO         2.52    PAM          0.5    PT2         7.6    WPL4        0.
VA KTS     1443    TAM          355    TT2         836    HPEXT    500.0

MAXTHR   MAX O/B                                          MIN O/B NOT LIT

FNT       12512    10570     9782     8949     7930     6951     5640     2105
FGT       25512    23683    22792    21482    20467    19561    18541    15715
WAT         172      172      172      172      172      172      172      172
WFT       25469    19166    17011    14727    12761    10834     8481     4165
TSFC      2.036    1.815    1.739    1.646    1.609    1.557    1.504    1.987
BPR        2.21     2.21     2.21     2.21     2.21     2.21     2.21     2.20
WAT2        432      432      432      432      432      432      432      432

N1         5263     5263     5263     5263     5263     5263     5263     5304
N2         7754     7754     7754     7754     7754     7754     7754     7806
PT30       11.2     11.2     11.2     11.2     11.2     11.2     11.2     11.5
PT4        34.1     34.1     34.1     34.1     34.1     34.1     34.1     35.4
TT30       1014     1014     1014     1014     1014     1014     1014     1020
TT4        1404     1404     1404     1404     1404     1404     1404     1419

PT9         6.1      6.1      6.1      6.1      6.1      6.1      6.1      6.3
PTO         9.5      9.7      9.8      9.9     10.0     10.0     10.1     10.6
TT9        2011     2011     2011     2011     2011     2011     2011     2009
TTO        3556     3000     2750     2500     2250     2000     1668     1028
WAS/WAP  0.0358   0.0349   0.0337   0.0326   0.0313   0.0301   0.0284   0.0245
VENG       1981     1981     1981     1981     1981     1981     1981     1449
VDUCT      2618     2494     2308     2203     2093     1977     1809     1425
AJCOE      5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCOD     10.75     9.47     8.91     8.36     7.81     7.25     6.44     4.65

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ALT       75000    WASIZE       640    PT2/PT2R  0.946    WPL3        0.
MO         2.72    PAM          0.5    PT2        10.1    WPL4        0.
VA KTS     1559    TAM          355    TT2         906    HPEXT    500.0

MAXTHR   MAX O/B                                          MIN O/B NOT LIT

FNT       14635    12214    11116     9555     8947     7649     6356     2352
FGT       31696    28902    27906    26689    25537    24339    23063    19642
WAT         204      204      204      204      204      204      204      204
WFT       28338    21961    19151    16816    14747    11987     9754     4765
TSFC      1.985    1.798    1.723    1.682    1.610    1.567    1.535    1.414
BPR        2.16     2.16     2.16     2.16     2.16     2.16     2.16     2.16
WAT2        404      404      404      404      404      404      404      404

N1         5242     5242     5242     5242     5242     5242     5242     5284
N2         7916     7916     7916     7916     7916     7516     7516     7959
PT30       14.5     14.5     14.5     14.5     14.5     14.5     14.5     14.9
PT4        41.3     41.3     41.3     41.3     41.3     41.3     41.3     42.8
TT30       1097     1097     1097     1097     1097     1097     1097     1102
TT4        1483     1483     1483     1483     1483     1483     1483     1498

PT9         7.3      7.3      7.3      7.3      7.3      7.3      7.3      7.6
PTO        12.7     12.9     13.0     13.1     13.2     13.3     13.4     13.9
TT9        2007     2007     2007     2007     2007     2007     2007     2007
TTO        3560     3000     2750     2500     2250     2000     1742     1103
WAS/WAP  0.0357   0.0334   0.0323   0.0312   0.0300   0.0288   0.0275   0.0240
VENG       1980     1980     1980     1980     1980     1980     1980     1575
VDUCT      2616     2408     2308     2204     2093     1977     1849     1480
AJCOF      5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCOD      9.65     8.36     7.88     7.41     6.94     6.45     5.94     4.37

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ALT        55000   WASIZE        640   PT2/PT2P  0.909   WBL3        0.
MO          2.29   PAM           1.3   PT2        12.9   WBL4        0.
VA KTS      1262   TAM           390   TT2         767   HPEXT    500.0

MAXTHR    MAX D/H                                        MIN D/H NOT LIT

FNT        25947   22465   20875   19238   17593   15795   12477    7365
FGT        48274   44802   43211   41575   39890   38132   35014   29706
WAT          337     337     337     337     337     337     337     337
WFT        49973   39238   34652   30519   26772   23186   17607    9854
TSFC       1.927   1.738   1.660   1.586   1.525   1.468   1.389   1.337
BPR         1.83    1.83    1.83    1.83    1.83    1.83    1.83    1.82
WAT2         468     468     468     468     468     468     468     468

N1          5319    5319    5319    5319    5319    5319    5319    5358
N2          7969    7969    7969    7969    7969    7969    7969    8013
PT30        22.4    22.4    22.4    22.4    22.4    22.4    22.4    23.0
PT4         75.6    75.6    75.6    75.6    75.6    75.6    75.6    78.2
TT30         922     922     922     922     922     922     922     930
TT4         1317    1317    1317    1317    1317    1317    1317    1332

PT9         13.6    13.6    13.6    13.6    13.6    13.6    13.6    14.1
PTD         19.6    20.0    20.2    20.3    20.5    20.6    20.8    21.8
TT9         2002    2002    2002    2002    2002    2002    2002    2001
TTD         3560    3000    2750    2500    2250    2000    1584     530
WAS/WAP   0.0396  0.0372  0.0360  0.0348  0.0336  0.0323  0.0301  0.0261
VENG        1976    1976    1976    1976    1976    1976    1976    1976
VDUCT       2618    2408    2308    2203    2093    1977    1765    1361
AJCDE       5.20    5.20    5.20    5.20    5.20    5.20    5.20    5.20
AJCDO       9.43    8.52    8.02    7.53    7.04    6.55    5.69    3.59

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ALT        55000   WASIZE        640   PT2/PT2P  0.870   WBL3        0.
MO          2.50   PAM           1.1   PT2        19.4   WBL4        0.
VA KTS      1434   TAM           390   TT2         875   HPEXT    500.0

MAXTHR    MAX D/H                                        MIN D/H NOT LIT

FNT        30456   26006   23960   21987   19744   17519   14861    4149
FGT        61432   56972   54634   52517   50747   48491   45595   39134
WAT          412     412     412     412     412     412     412     412
WFT        57655   44709   39345   34607   30177   25517   21020   11856
TSFC       1.873   1.719   1.642   1.581   1.528   1.481   1.434   1.418
BPR         1.71    1.71    1.71    1.71    1.71    1.71    1.71    1.68
WAT2         397     397     397     397     397     397     397     397

N1          5242    5242    5242    5242    5242    5242    5242    5318
N2          8027    8027    8027    8027    8027    8027    8027    8092
PT30        33.5    33.5    33.5    33.5    33.5    33.5    33.5    34.6
PT4         97.0    97.0    97.0    97.0    97.0    97.0    97.0   101.2
TT30        1044    1044    1044    1044    1044    1044    1044    1057
TT4         1416    1416    1416    1416    1416    1416    1416    1433

PT9         17.3    17.3    17.3    17.3    17.3    17.3    17.3    18.0
PTD         30.8    31.2    31.3    31.4    31.6    31.7    31.9    33.2
TT9         2000    2000    2000    2000    2000    2000    2000    1995
TTD         3560    3000    2750    2500    2250    2000    1435    1053
WAS/WAP   0.0365  0.0347  0.0336  0.0325  0.0314  0.0302  0.0287  0.0254
VENG        1976    1976    1976    1976    1976    1976    1976    1975
VDUCT       2618    2408    2309    2204    2093    1977    1824    1447
AJCDE       5.20    5.20    5.20    5.20    5.20    5.20    5.20    5.20
AJCDO       7.28    6.49    6.13    5.79    5.42    5.06    4.59    3.32

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ALT        55000   WASIZE        640   PT2/PT2P  0.856   WBL3        0.
MO          2.73   PAM           1.2   PT2        26.3   WBL4        0.
VA KTS      1549   TAM           390   TT2         954   HPEXT    500.0

MAXTHR    MAX D/H                                        MIN D/H NOT LIT

FNT        31059   27933   25623   23734   20819   18289   15962    8818
FGT        70952   65445   63516   61147   58711   56182   53854   46710
WAT          466     466     466     466     466     466     466     466
WFT        62233   47547   42081   36980   32025   27393   23459   13072
TSFC       1.982   1.712   1.642   1.586   1.538   1.498   1.470   1.482
BPR         1.58    1.59    1.58    1.58    1.58    1.58    1.58    1.57
WAT2         354     354     354     354     354     354     354     354

N1          5242    5242    5242    5242    5242    5242    5242    5301
N2          8128    8128    8128    8128    8128    8128    8128    8152
PT30        44.0    44.0    44.0    44.0    44.0    44.0    44.0    44.7
PT4        115.9   115.9   115.9   115.9   115.9   115.9   115.9   119.4
TT30        1137    1137    1137    1137    1137    1137    1137    1143
TT4         1491    1491    1491    1491    1491    1491    1491    1505

PT9         20.5    20.5    20.5    20.5    20.5    20.5    20.5    21.1
PTD         41.5    41.7    41.9    42.0    42.1    42.2    42.3    43.4
TT9         1997    1997    1997    1997    1997    1997    1997    1980
TTD         3560    3000    2750    2500    2250    2000    1779    1163
WAS/WAP   0.0352  0.0331  0.0321  0.0311  0.0300  0.0290  0.0280  0.0248
VENG        1975    1975    1975    1975    1975    1975    1975    1966
VDUCT       2618    2409    2309    2204    2094    1977    1868    1506
AJCDE       5.21    5.21    5.21    5.21    5.21    5.21    5.21    5.21
AJCDO       5.94    5.32    5.04    4.76    4.47    4.17    3.90    2.92

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ALT        65000   WASIZE        640   PT2/PT2P  0.904   WBL3        0.
MO          2.29   PAM           0.8   PT2         8.0   WBL4        0.
VA KTS      1262   TAM           390   TT2         767   HPEXT    500.0

MAXTHR    MAX D/H                                        MIN D/H NOT LIT

FNT        15991   13822   12927   11801   10744    9640    7623    4252
FGT        29843   27673   26677   25652   24595   23490   21474   18103
WAT          209     209     209     209     209     209     209     209
WFT        31498   24537   21744   19110   16729   14446   10803    5858
TSFC       1.970   1.775   1.695   1.617   1.557   1.499   1.417   1.378
BPR         1.98    1.98    1.98    1.98    1.98    1.98    1.98    1.97
WAT2         468     468     468     468     468     468     468     469

N1          5270    5270    5270    5270    5270    5270    5270    5300
N2          7771    7771    7771    7771    7771    7771    7771    7819
PT30        13.2    13.2    13.2    13.2    13.2    13.2    13.2    13.5
PT4         44.5    44.5    44.5    44.5    44.5    44.5    44.5    46.0
TT30         910     910     910     910     910     910     910     917
TT4         1303    1303    1303    1303    1303    1303    1303    1317

PT9          8.0     8.0     8.0     8.0     8.0     8.0     8.0     8.3
PTD         11.3    11.5    11.7    11.8    11.9    12.0    12.1    12.7
TT9         2008    2008    2008    2008    2008    2008    2008    2008
TTD         3560    3000    2750    2500    2250    2000    1573     517
WAS/WAP   0.0398  0.0373  0.0361  0.0347  0.0336  0.0323  0.0300  0.0259
VENG        1980    1980    1980    1980    1980    1980    1980    1979
VDUCT       2619    2408    2308    2203    2093    1977    1759    1352
AJCDE       5.20    5.20    5.20    5.20    5.20    5.20    5.20    5.20
AJCDO      10.65    9.39    8.82    8.27    7.73    7.17    6.20    4.33

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ALT        65000   WASIZE        640   PT2/PT2P  0.870   WBL3        0.
MO          2.50   PAM           0.8   PT2        12.3   WBL4        0.
VA KTS      1434   TAM           390   TT2         875   HPEXT    500.0

MAXTHR    MAX D/H                                        MIN D/H NOT LIT

FNT        18923   16123   14960   13527   12179   10776    8915    4902
FGT        38129   35329   34047   32734   31385   29983   28122   24109
WAT          255     255     255     255     255     255     255     255
WFT        36266   28055   24757   21656   18841   16153   12943    7111
TSFC       1.917   1.740   1.662   1.601   1.547   1.499   1.452   1.451
BPR         1.82    1.82    1.82    1.82    1.82    1.82    1.82    1.80
WAT2         397     397     397     397     397     397     397     397

N1          5172    5172    5172    5172    5172    5172    5172    5231
N2          7904    7904    7904    7904    7904    7904    7904    7964
PT30        20.1    20.1    20.1    20.1    20.1    20.1    20.1    20.6
PT4         57.7    57.7    57.7    57.7    57.7    57.7    57.7    60.1
TT30        1033    1033    1033    1033    1033    1033    1033    1042
TT4         1403    1403    1403    1403    1403    1403    1403    1419

PT9         10.3    10.3    10.3    10.3    10.3    10.3    10.3    10.7
PTD         18.3    18.5    18.6    18.7    18.8    18.9    19.0    19.8
TT9         2006    2006    2006    2006    2006    2006    2006    2009
TTD         3560    3000    2750    2500    2250    2002    1685    1042
WAS/WAP   0.0371  0.0348  0.0337  0.0326  0.0315  0.0305  0.0287  0.0252
VENG        1979    1979    1979    1979    1979    1979    1979    1978
VDUCT       2618    2408    2308    2204    2093    1977    1819    1 40
AJCDE       5.20    5.20    5.20    5.20    5.20    5.20    5.20    5.20
AJCDO       7.77    6.92    6.54    6.16    5.77    5.38    4.86    3.52

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ALT        65000   WASIZE        640   PT2/PT2P  0.856   WBL3        0.
MO          2.70   PAM           0.8   PT2        16.3   WBL4        0.
VA KTS      1568   TAM           390   TT2         954   HPEXT    500.0

MAXTHR    MAX D/H                                        MIN D/H NOT LIT

FNT        20593   17175   15907   14414   12978   11283    9751    5338
FGT        44090   40872   39404   37511   36375   34779   33248   28839
WAT          289     289     289     289     289     289     289     289
WFT        39136   30021   26370   23378   20000   17066   14472    8048
TSFC       1.900   1.728   1.655   1.601   1.553   1.513   1.484   1.508
BPR         1.67    1.67    1.67    1.67    1.67    1.67    1.67    1.65
WAT2         354     354     354     354     354     354     354     354

N1          5158    5158    5158    5158    5158    5158    5158    5230
N2          8033    8033    8033    8033    8033    8033    8033    8078
PT30        26.5    26.5    26.5    26.5    26.5    26.5    26.5    27.1
PT4         69.3    69.3    69.3    69.3    69.3    69.3    69.3    72.1
TT30        1127    1127    1127    1127    1127    1127    1127    1135
TT4         1479    1479    1479    1479    1479    1479    1479    1496

PT9         12.3    12.3    12.3    12.3    12.3    12.3    12.3    12.8
PTD         24.8    25.0    25.1    25.2    25.3    25.3    25.4    26.2
TT9         2004    2004    2004    2004    2004    2004    2004    2002
TTD         3560    3000    2750    2500    2250    2000    1770    1135
WAS/WAP   0.0353  0.0332  0.0322  0.0312  0.0301  0.0290  0.0279  0.0248
VENG        1978    1978    1978    1978    1978    1978    1978    1977
VDUCT       2618    2408    2308    2204    2094    1977    1863    1501
AJCDE       5.21    5.21    5.21    5.21    5.21    5.21    5.21    5.20
AJCDO       6.28    5.62    5.32    5.02    4.71    4.40    4.10    3.04

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ALT        75000   WASIZE      640   PT2/PT2P  0.994   WBL3         0.
MO          2.25   PAM         0.5   PT2         6.0   WBL4         0.
VA KTS      1299   TAM         395   TT2         776   HPEXT     500.0

MAXTHR    MAX D/H                                      MIN D/H NOT LIT

FNT         9612     9282     7664     7049     6364     5672     4372     2249
FGT        14745    14900    15282    15669    14982    14239    12741    10868
WAT          129      129      129      129      129      129      129      127
WFT        19955    18261    13654    11991    10411     8935     6527     3340
TSFC       2.076    1.967    1.782    1.701    1.636    1.575    1.493    1.485
BPR         2.29     2.24     2.23     2.29     2.29     2.29     2.27     2.29
WAT2         458      469      458      469      468      465      468      429

N1          5231     5201     5201     5201     5201     5201     5201     5242
N2          7473     7473     7473     7474     7473     7473     7473     7539
PT30         7.4      7.4      7.4      7.4      7.4      7.4      7.4      7.7
PT4         24.9     24.9     24.9     24.9     24.9     24.9     24.9     25.5
TT30         900      900      900      900      900      903      900      907
TT4         1297     1297     1297     1297     1297     1297     1297     1303

PT9          4.5      4.5      4.5      4.5      4.5      4.5      4.5      4.7
PTD          5.9      6.1      6.2      6.3      6.4      6.5      6.6      7.0
TT9         2018     2019     2017     2018     2018     2018     2018     2016
TTD         3560     3000     2750     2500     2250     2000     1563      907
WAS/WAP   0.0379   0.0373   0.0361   0.0349   0.0335   0.0321   0.0296   0.0253
VENG        1984     1984     1984     1984     1984     1984     1984     1984
VDUCT       2619     2409     2308     2203     2093     1976     1754     1345
AJCDE       5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.20
AJCDD      13.75    11.41    10.67     9.97     9.27     8.58     7.35     5.03

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ALT        75000   WASIZE      640   PT2/PT2P  0.970   WBL3         0.
MO          2.50   PAM         0.5   PT2         7.6   WBL4         0.
VA KTS      1443   TAM         395   TT2         886   HPEXT     500.0

MAXTHR    MAX D/H                                      MIN D/H NOT LIT

FNT        11618     9951     9041     8210     7357     6469     5270     2674
FGT        23569    21802    20591    20161    19307    18419    17220    14644
WAT          158      158      158      158      158      158      158      158
WFT        22831    17575    15469    13479    11678     9309     7869     4110
TSFC       1.965    1.766    1.711    1.642    1.587    1.439    1.493    1.526
BPR         2.02     2.02     2.02     2.02     2.02     2.02     2.02     2.01
WAT2         397      397      397      397      397      397      397      397

N1          5105     5105     5105     5105     5105     5105     5105     5145
N2          7735     7735     7735     7735     7735     7735     7735     7766
PT30        11.8     11.8     11.8     11.8     11.8     11.8     11.8     12.0
PT4         33.3     33.3     33.3     33.3     33.3     33.3     33.3     34.5
TT30        1028     1028     1028     1028     1028     1028     1028     1035
TT4         1395     1395     1395     1395     1395     1395     1395     1410

PT9          6.0      6.0      6.0      6.0      6.0      6.0      6.0      6.2
PTD         10.5     10.7     10.8     10.9     10.9     10.9     11.0     11.4
TT9         2014     2014     2014     2014     2014     2014     2014     2013
TTD         3560     3000     2750     2500     2250     2000     1640     1035
WAS/WAP   0.0371   0.0347   0.0336   0.0325   0.0313   0.0301   0.0274   0.0249
VENG        1982     1982     1982     1982     1982     1982     1982     1982
VDUCT       2618     2409     2308     2204     2093     1977     1916     1435
AJCDE       5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.20
AJCDD       8.65     7.67     7.24     6.82     6.38     5.94     5.36     3.89

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ALT        75000   WASIZE      640   PT2/PT2P  0.846   WBL3         0.
MO          2.70   PAM         0.5   PT2        10.1   WBL4         0.
VA KTS      1559   TAM         395   TT2         966   HPEXT     500.0

MAXTHR    MAX D/H                                      MIN D/H NOT LIT

FNT        12710    10566     9732     8761     7636     6791     5794     2962
FGT        27110    25285    24353    23407    22426    21411    20414    17383
WAT          179      179      179      179      179      179      179      175
WFT        24664    18414    16477    14324    12122    10510     8811     4677
TSFC       1.941    1.743    1.693    1.635    1.587    1.549    1.521    1.579
BPR         1.85     1.85     1.85     1.85     1.85     1.85     1.85     1.84
WAT2         354      354      354      354      354      354      354      354

N1          5037     5037     5037     5037     5037     5037     5037     5103
N2          7890     7890     7890     7890     7890     7890     7890     7535
PT30        15.6     15.6     15.6     15.6     15.6     15.6     15.6     16.0
PT4         40.1     40.1     40.1     40.1     40.1     40.1     40.1     41.6
TT30        1122     1122     1122     1122     1122     1122     1122     1130
TT4         1471     1471     1471     1471     1471     1471     1471     1489

PT9          7.1      7.1      7.1      7.1      7.1      7.1      7.1      7.4
PTD         14.5     14.6     14.7     14.7     14.8     14.8     14.9     15.4
TT9         2012     2012     2012     2012     2012     2012     2012     2011
TTD         3560     3000     2750     2500     2250     2000     1765     1130
WAS/WAP   0.0354   0.0332   0.0321   0.0311   0.0300   0.0288   0.0277   0.0244
VENG        1982     1982     1982     1982     1982     1982     1982     1981
VDUCT       2618     2408     2308     2204     2094     1977     1860     1498
AJCDE       5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.20
AJCDD       6.41     6.17     5.84     5.50     5.17     4.82     4.48     3.33

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ALT	55000	WASIZE	640	PT2/PT2P	0.904	WBL3	0.
MO	2.20	PAM	1.3	PT2	17.5	WBL4	0.
VA KTS	1262	TAM	390	TT2	767	HPEXT	500.0

CRUISE	MAX C/M						MIN C/M NOT LIT	
FNT	25655	22143	20532	18872	17161	15172	12201	6611
FGT	48265	44753	43143	41492	39771	37382	34691	29221
WAT	342	342	342	342	342	342	342	342
WFT	50650	39349	34811	30532	26664	22655	16598	8557
TSFC	1.975	1.777	1.695	1.618	1.554	1.493	1.407	1.299
BPR	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.94
WAT2	474	474	474	474	474	474	474	474
N1	5283	5283	5283	5283	5283	5283	5283	5313
N2	7815	7815	7815	7815	7815	7815	7815	7864
PT3D	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.7
PT4	72.2	72.2	72.2	72.2	72.2	72.2	72.2	74.7
TT3D	907	907	907	907	907	907	907	914
TT4	1300	1300	1300	1300	1300	1300	1300	1314
PT9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	13.1
PTD	17.9	18.3	18.5	18.7	18.9	19.0	19.3	20.3
TT9	1922	1922	1922	1922	1922	1922	1922	1921
TTD	3550	3000	2750	2500	2250	2000	1970	914
WAS/WAP	0.0376	0.0371	0.0355	0.0347	0.0334	0.0321	0.0297	0.0256
VENG	1938	1938	1938	1938	1938	1938	1938	1938
VOUCT	2618	2408	2308	2203	2093	1977	1757	1350
AJCOE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
AJCDO	10.91	9.61	9.03	8.46	7.89	7.33	6.32	4.40

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ALT	55000	WASIZE	640	PT2/PT2P	0.870	WBL3	0.
MO	2.50	PAM	1.3	PT2	19.8	WBL4	0.
VA KTS	1434	TAM	390	TT2	875	HPEXT	500.0

CRUISE	MAX O/M						MIN O/M NOT LIT	
FNT	31196	26498	24344	22127	19970	17511	14274	7436
FGT	63356	59658	56504	54258	52031	49871	46434	37376
WAT	428	428	428	428	428	428	428	428
WFT	60331	46426	40843	35540	30927	26277	20666	10730
TSFC	1.934	1.752	1.678	1.608	1.551	1.501	1.448	1.443
BPR	1.88	1.88	1.89	1.88	1.88	1.88	1.88	1.86
WAT2	412	412	412	412	412	412	412	412
N1	5205	5205	5205	5205	5205	5205	5205	5248
N2	7911	7911	7911	7911	7911	7911	7911	7565
PT3D	31.5	31.5	31.5	31.5	31.5	31.5	31.5	32.3
PT4	93.1	93.1	93.1	93.1	93.1	93.1	93.1	86.7
TT3D	1022	1022	1022	1022	1022	1022	1022	1030
TT4	1399	1399	1399	1399	1399	1399	1399	1414
PT9	16.5	16.5	16.5	16.5	16.5	16.5	16.5	17.1
PTD	28.2	28.6	28.8	28.9	29.1	29.2	29.4	30.7
TT9	1920	1920	1920	1920	1920	1920	1920	1919
TTD	3550	3000	2750	2500	2250	2000	1675	1030
WAS/WAP	0.0379	0.0346	0.0336	0.0324	0.0312	0.0300	0.0286	0.0248
VENG	1937	1937	1937	1937	1937	1937	1937	1937
VOUCT	2618	2408	2308	2204	2093	1977	1813	1431
AJCOE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.21
AJCDO	8.55	7.59	7.18	6.74	6.31	5.88	5.29	3.82

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ALT	55000	WASIZE	640	PT2/PT2P	0.846	WBL3	0.
MO	2.70	PAM	1.3	PT2	26.3	WBL4	0.
VA KTS	1549	TAM	390	TT2	994	HPEXT	500.0

CRUISE	MAX C/M						MIN C/M NOT LIT	
FNT	35535	29927	27208	24542	21793	18947	15554	7912
FGT	76425	70701	68082	65416	62673	59821	56828	48786
WAT	503	503	503	503	503	503	503	503
WFT	68675	52199	45637	39655	34104	28803	23709	12021
TSFC	1.931	1.750	1.676	1.616	1.565	1.520	1.486	1.519
BPR	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.84
WAT2	382	382	382	382	382	382	382	382
N1	5158	5158	5158	5158	5158	5158	5158	5205
N2	8028	8028	8028	8028	8029	8028	8028	8068
PT3D	40.5	40.5	40.5	40.5	40.5	40.5	40.5	41.3
PT4	111.0	111.0	111.0	111.0	111.0	111.0	111.0	115.0
TT3D	1104	1104	1104	1104	1104	1104	1104	1111
TT4	1473	1473	1473	1473	1473	1473	1473	1488
PT9	19.6	19.6	19.6	19.6	19.6	19.6	19.6	22.2
PTD	36.9	37.4	37.6	37.7	37.9	38.0	38.2	35.5
TT9	1918	1918	1919	1919	1919	1918	1918	1919
TTD	3550	3000	2750	2500	2250	2000	1769	1111
WAS/WAP	0.0354	0.0332	0.0321	0.0310	0.0299	0.0288	0.0275	0.0242
VENG	1936	1936	1936	1936	1936	1936	1936	1936
VOUCT	2619	2408	2308	2204	2093	1977	1852	1486
AJCOE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.20
AJCDO	7.43	6.79	6.42	6.05	5.67	5.29	4.89	3.62

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ALT	65000	WASIZE	640	PT2/PT2P	0.904	WBL3	0.
MO	2.20	PAM	0.8	PT2	8.0	WBL4	0.
VA KTS	1262	TAM	390	TT2	767	HPEXT	500.0

CRUISE	MAX O/M						MIN O/M NOT LIT	
FNT	15765	13582	12581	11546	10477	9358	7245	3811
FGT	29796	27603	26601	25566	24498	23379	21265	17832
WAT	212	212	212	212	212	212	212	212
WFT	31932	24739	21854	19132	16675	14317	10445	5346
TSFC	2.025	1.821	1.737	1.657	1.592	1.530	1.442	1.403
BPR	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.08
WAT2	474	474	474	474	474	474	474	474
N1	5236	5236	5236	5236	5236	5236	5236	5271
N2	7621	7621	7621	7621	7621	7621	7621	7688
PT3D	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.8
PT4	42.5	42.5	42.5	42.5	42.5	42.5	42.5	44.2
TT3D	896	896	896	896	896	896	896	903
TT4	1286	1286	1286	1286	1286	1286	1286	1301
PT9	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.9
PTD	10.2	10.5	10.6	10.7	10.8	10.9	11.1	11.9
TT9	1929	1929	1929	1929	1929	1929	1929	1927
TTD	3560	3000	2750	2500	2250	2000	1560	903
WAS/WAP	0.0398	0.0372	0.0360	0.0348	0.0335	0.0321	0.0296	0.0254
VENG	1941	1941	1941	1941	1941	1941	1941	1941
VOUCT	2618	2408	2308	2203	2093	1976	1752	1242
AJCOE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
AJCDO	12.19	10.69	10.02	9.37	8.73	8.09	6.93	4.75

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ALT	65000	WASIZE	640	PT2/PT2P	0.870	WBL3	0.
MO	2.50	PAM	0.8	PT2	12.3	WBL4	0.
VA KTS	1434	TAM	390	TT2	875	HPEXT	500.0

CRUISE	MAX O/M						MIN C/M NOT LIT	
FNT	19351	16411	15061	13679	12297	10777	8697	4371
FGT	39794	35353	35004	33621	32200	30720	28639	24314
WAT	265	265	265	265	265	265	265	265
WFT	37862	29098	25566	22252	19246	16374	12755	6467
TSFC	1.957	1.773	1.697	1.627	1.570	1.519	1.466	1.479
BPR	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.97
WAT2	412	412	412	412	412	412	412	412
N1	5167	5167	5167	5167	5167	5167	5167	5204
N2	7803	7803	7803	7803	7803	7803	7803	7849
PT3D	18.9	18.9	18.9	18.9	18.9	18.9	18.9	19.4
PT4	55.7	55.7	55.7	55.7	55.7	55.7	55.7	57.7
TT3D	1014	1014	1014	1014	1014	1014	1014	1021
TT4	1389	1389	1389	1389	1389	1389	1389	1403
PT9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	10.2
PTD	16.7	17.0	17.2	17.3	17.4	17.5	17.6	18.3
TT9	1926	1926	1926	1926	1926	1926	1926	1925
TTD	3560	3000	2750	2500	2250	2000	1667	1021
WAS/WAP	0.0371	0.0347	0.0336	0.0325	0.0313	0.0301	0.0283	0.0246
VENG	1940	1940	1940	1940	1940	1940	1940	1940
VOUCT	2618	2408	2308	2203	2093	1977	1809	1425
AJCOE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
AJCDO	9.07	8.04	7.59	7.13	6.67	6.21	5.57	4.02

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ALT	65000	WASIZE	640	PT2/PT2P	0.946	WBL3	0.
MO	2.70	PAM	0.8	PT2	16.3	WBL4	0.
VA KTS	1548	TAM	390	TT2	994	HPEXT	500.0

CRUISE	MAX O/M						MIN O/M NOT LIT	
FNT	22104	18515	16873	15202	13483	11692	9759	4690
FGT	47450	43861	42219	40547	38826	37037	35105	30036
WAT	312	312	312	312	312	312	312	312
WFT	43073	32689	28537	24795	21290	17949	14651	7284
TSFC	1.949	1.766	1.691	1.631	1.579	1.535	1.501	1.553
BPR	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.93
WAT2	382	382	382	382	382	382	382	382
N1	5112	5112	5112	5112	5112	5112	5112	5156
N2	7933	7933	7933	7933	7933	7933	7933	7975
PT3D	24.5	24.5	24.5	24.5	24.5	24.5	24.5	25.0
PT4	66.7	66.7	66.7	66.7	66.7	66.7	66.7	69.1
TT3D	1097	1097	1097	1097	1097	1097	1097	1103
TT4	1462	1462	1462	1462	1462	1462	1462	1477
PT9	11.8	11.8	11.8	11.8	11.8	11.8	11.8	12.2
PTD	22.1	22.4	22.6	22.7	22.8	22.9	23.0	23.8
TT9	1924	1924	1924	1924	1924	1924	1924	1923
TTD	3560	3000	2750	2500	2250	2000	1742	1103
WAS/WAP	0.0355	0.0332	0.0322	0.0311	0.0300	0.0288	0.0275	0.0241
VENG	1939	1939	1939	1939	1939	1939	1939	1939
VOUCT	2618	2408	2308	2204	2093	1977	1869	1481
AJCOE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.20
AJCDO	8.01	7.12	6.73	6.34	5.94	5.54	5.13	3.77

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ALT       75000   WASIZE     640  PT2/PT2P  0.904  WAL3        0.
MO         2.20   PAM        0.5  PT2         5.0  WPL4        0.
VA KTS     1270   TAM        195  TT2         776  HPEXT    500.0

CRUISE   MAX D/H                               MIN D/H NOT LIT

FNT        9426     8068     7451     6916     6155     5460     4070     1154
FGT       18129    16791    16176    15538    14878    14182    12749    10677
WAT         131      131      131      131      131      131      131      131
WFT       20719    15934    14034    12225    10597     9033     6345     3539
TSFC      2.211    1.975    1.881    1.796    1.722    1.659    1.559    3.055
BPR        2.43     2.43     2.43     2.43     2.43     2.43     2.43     2.41
WAT2        474      474      474      474      474      474      474      474

N1         5156     5156     5156     5156     5156     5156     5156     5193
N2         7355     7355     7355     7355     7355     7355     7355     7413
PT3D        6.9      6.9      6.9      6.9      6.9      6.9      6.9      7.1
PT4        23.8     23.8     23.8     23.8     23.8     23.8     23.8     24.7
TT3D        889      889      889      885      889      889      889      894
TT4        1269     1269     1269     1269     1269     1269     1269     1284

PT9         4.3      4.3      4.3      4.3      4.3      4.3      4.3      4.4
PTD         5.2      5.4      5.5      5.6      5.7      5.8      5.9      6.4
TT9        1938     1938     1938     1938     1938     1938     1938     1937
TTD        3569     3000     2750     2500     2250     2000     1538      994
WAS/WAP  0.0383   0.0372   0.0360   0.0347   0.0334   0.0320   0.0292   0.0249
VENG       1946     1946     1946     1946     1946     1946     1946     1945
VDUCT      2617     2608     2308     2203     2093     1976     1740     1336
AJCOF      5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.20
AJCOD     15.47    13.39    12.49    11.49    10.75     9.91     8.36     5.67

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ALT       75000   WASIZE     640  PT2/PT2P  0.870  WAL3        0.
MO         2.52   PAM        0.5  PT2         7.6  WAL4        0.
VA KTS     1443   TAM        155  TT2         886  HPEXT    500.0

CRUISE   MAX D/H                               MIN D/H NOT LIT

FNT       11450    10005     9157     8287     7331     6459     5112     2168
FGT       24259    22413    21368    20655    19719    18766    17540    14796
WAT         164      164      164      164      164      164      164      164
WFT       23024    19221    15974    13955    11940    10106     7772     3751
TSFC      2.010    1.921    1.745    1.677    1.629    1.565    1.515    1.730
BPR        2.20     2.20     2.20     2.20     2.20     2.20     2.20     2.18
WAT2        412      412      412      412      412      412      412      412

N1         5109     5103     5108     5108     5108     5108     5104     5149
N2         7632     7632     7632     7632     7632     7632     7612     7677
PT3D       11.1     11.1     11.1     11.1     11.1     11.1     11.1     11.3
PT4        32.1     32.1     32.1     32.1     32.1     32.1     32.1     33.3
TT3D       1011     1011     1011     1011     1011     1011     1011     1017
TT4        1381     1381     1381     1381     1381     1381     1381     1395

PT9         5.7      5.7      5.7      5.7      5.7      5.7      5.7      5.9
PTD         9.5      9.8      9.8      9.9     10.0     10.1     10.2     10.6
TT9        1933     1933     1933     1933     1933     1933     1933     1932
TTD        3550     3000     2750     2500     2250     2000     1664     1017
WAS/WAP  0.0371   0.0347   0.0336   0.0324   0.0312   0.0299   0.0281   0.0243
VENG       1944     1944     1944     1944     1944     1944     1944     1943
VDUCT      2619     2408     2328     2203     2093     1977     1828     1423
AJCOF      5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.20
AJCOD     10.15     8.96     8.44     7.92     7.41     6.88     6.15     4.43

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ALT       75000   WASIZE     640  PT2/PT2P  0.846  WAL3        0.
MO         2.70   PAM        0.5  PT2        10.1  WPL4        0.
VA KTS     1558   TAM        195  TT2         968  HPEXT    500.0

CRUISE   MAX D/H                               MIN D/H ACT LIT

FNT       13521    11332    10299     9244     8158     7029     5804     2591
FGT       29361    27102    26068    25014    23529    22800    21574    18762
WAT         193      193      193      193      193      193      193      193
WFT       27040    20434    17792    15458    13181    11056     8949     4251
TSFC      1.999    1.803    1.728    1.667    1.616    1.573    1.542    1.641
BPR        2.13     2.13     2.13     2.13     2.13     2.13     2.13     2.12
WAT2        382      382      382      382      382      382      382      382

N1         5048     5048     5048     5048     5048     5048     5048     5092
N2         7795     7795     7795     7795     7795     7795     7795     7832
PT3D       14.5     14.5     14.5     14.5     14.5     14.5     14.5     14.8
PT4        38.9     38.9     38.8     38.8     38.8     38.8     38.8     40.2
TT3D       1095     1096     1096     1096     1096     1096     1096     1102
TT4        1458     1458     1458     1458     1458     1458     1458     1473

PT9         6.9      6.9      6.9      6.9      6.9      6.9      6.9      7.1
PTD        12.9     13.1     13.2     13.2     13.3     13.4     13.5     14.0
TT9        1931     1931     1931     1931     1931     1931     1931     1930
TTD        3562     3000     2750     2500     2250     2000     1741     1102
WAS/WAP  0.0355   0.0332   0.0321   0.0310   0.0298   0.0286   0.0273   0.0238
VENG       1943     1943     1943     1943     1943     1943     1943     1942
VDUCT      2418     2408     2308     2204     2093     1977     1848     1480
AJCOF      5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.20
AJCOD      8.75     7.76     7.32     6.89     6.46     6.01     5.53     4.09

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ALT         55000   WASIZE        640   PT2/PT2P  0.904   WBL3       0.
MO           2.20   PAM           1.3   PT2        12.9   WBL4       0.
VA KTS       1262   TAM           390   TT2         767   HPEXT   500.0

CRUISE   MAX O/M                                          MIN C/M NOT LIT

FNT         25926     22289     20667     18956     17269     15465     12136      6812
FGT         48621     45083     43461     41789     40063     38260     34931     29407
WAT           344       344       344       344       344       344       344       344
WFT         51152     39716     35129     30803     26892     23143     17105      8574
TSFC        1.951     1.782     1.700     1.622     1.557     1.496     1.409     1.259
BPR          1.97      1.97      1.97      1.97      1.97      1.97      1.97      1.96
WAT2          478       478       478       478       478       478       478       478

N1           5300      5300      5300      5300      5300      5300      5300      5129
N2           7816      7816      7816      7816      7816      7816      7816      7865
PT30         20.9      20.9      20.9      20.9      20.9      20.9      20.9      21.5
PT4          72.4      72.4      72.4      72.4      72.4      72.4      72.4      74.9
TT30          906       906       906       906       906       906       906       912
TT4          1301      1301      1301      1301      1301      1301      1301      1315

PT9          12.9      12.9      12.9      12.9      12.9      12.9      12.9      13.4
PTD          17.6      18.1      18.3      18.5      18.6      18.8      19.0      20.1
TT9          1921      1921      1921      1921      1921      1921      1921      1921
TTD          3560      3000      2750      2500      2250      2000      1569       912
WAS/WAP    0.0396    0.0371    0.0359    0.0347    0.0334    0.0321    0.0297    0.0256
VENG         1937      1937      1937      1937      1937      1937      1937      1938
VDUCT        2618      2408      2308      2203      2093      1977      1757      1249
AJCDE        5.21      5.21      5.21      5.21      5.21      5.21      5.21      5.21
AJCDO       11.19      9.84      9.24      8.65      8.07      7.49      6.46      4.49

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ALT         55000   WASIZE        640   PT2/PT2P  0.870   WBL3       0.
MO           2.50   PAM           1.3   PT2        19.8   WBL4       0.
VA KTS       1434   TAM           390   TT2         875   HPEXT   500.0

CRUISE   MAX O/M                                          MIN C/M NOT LIT

FNT         32706     27754     25486     23149     20751     18294     14735      7441
FGT         66427     61475     59202     56870     54473     51975     48457     41163
WAT           448       448       448       448       448       448       448       448
WFT         63918     49080     43124     37519     32435     27578     21442     10813
TSFC        1.954     1.768     1.692     1.621     1.563     1.511     1.455     1.453
BPR          1.98      1.98      1.98      1.98      1.98      1.98      1.98      1.97
WAT2          432       432       432       432       432       432       432       432

N1           5293      5293      5293      5293      5293      5293      5293      5226
N2           7919      7919      7919      7919      7919      7919      7919      7969
PT30         30.5      30.5      30.5      30.5      30.5      30.5      30.5      31.2
PT4          94.3      94.3      94.3      94.3      94.3      94.3      94.3      97.8
TT30         1013      1013      1013      1013      1013      1013      1013      1020
TT4          1404      1404      1404      1404      1404      1404      1404      1417

PT9          16.7      16.7      16.7      16.7      16.7      16.7      16.7      17.3
PTD          26.6      27.1      27.4      27.5      27.7      27.9      28.1      29.5
TT9          1919      1919      1919      1919      1919      1919      1919      1919
TTD          3560      3000      2750      2500      2250      2000      1666      1025
WAS/WAP    0.0371    0.0347    0.0336    0.0325    0.0313    0.0300    0.0283    0.0246
VENG         1936      1936      1936      1936      1936      1936      1936      1936
VDUCT        2618      2408      2308      2203      2093      1977      1809      1425
AJCDE        5.21      5.21      5.21      5.21      5.21      5.21      5.21      5.21
AJCDO        9.65      8.53      8.04      7.55      7.07      6.57      5.89      4.22

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ALT         55000   WASIZE        640   PT2/PT2P  0.846   WBL3       0.
MO           2.70   PAM           1.3   PT2        26.3   WBL4       0.
VA KTS       1548   TAM           390   TT2         954   HPEXT   500.0

CRUISE   MAX O/M                                          MIN O/M NOT LIT

FNT         37746     31635     28825     25966     23022     19960     16607      7910
FGT         81733     76532     72081     69721     66279     63217     59864     51167
WAT           533       533       533       533       533       533       533       533
WFT         73467     55924     48708     42274     36263     30526     24790     12125
TSFC        1.946     1.768     1.690     1.628     1.575     1.529     1.493     1.533
BPR          1.98      1.98      1.98      1.98      1.98      1.98      1.98      1.97
WAT2          404       404       404       404       404       404       404       404

N1           5261      5261      5261      5261      5261      5261      5261      5302
N2           8035      8035      8035      8035      8035      8035      8035      8074
PT30         39.2      39.2      39.2      39.2      39.2      39.2      39.2      40.1
PT4         112.5     112.5     112.5     112.5     112.5     112.5     112.5     116.5
TT30         1093      1093      1093      1093      1093      1093      1093      1100
TT4          1478      1478      1478      1478      1478      1478      1478      1493

PT9          19.8      19.8      19.8      19.8      19.8      19.8      19.8      20.5
PTD          34.8      35.4      35.6      35.8      36.0      36.2      36.4      37.9
TT9          1917      1917      1917      1917      1917      1917      1917      1916
TTD          3560      3000      2750      2500      2250      2000      1739      1100
WAS/WAP    0.0355    0.0333    0.0322    0.0311    0.0299    0.0288    0.0275    0.0240
VENG         1936      1936      1936      1936      1936      1936      1936      1935
VDUCT        2618      2408      2308      2204      2093      1977      1847      1478
AJCDE        5.20      5.20      5.20      5.20      5.20      5.20      5.20      5.21
AJCDO        8.74      7.76      7.32      6.89      6.45      6.01      5.53      4.07

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ALT         65000   WASIZE        640   PT2/PT2P  0.904   WBL3       0.
MO           2.20   PAM           0.8   PT2         8.0   WBL4       0.
VA KTS       1262   TAM           390   TT2         767   HPEXT   500.0

CRUISE   MAX O/M                                          MIN O/M NOT LIT

FNT         15853     13656     12648     11607     10532      9405      7269      3908
FGT         29985     27791     26783     25742     24666     23540     21404     17541
WAT           214       214       214       214       214       214       214       214
WFT         32242     24970     22053     19304     16819     14436     10511      5256
TSFC        2.034     1.829     1.744     1.663     1.597     1.535     1.446     1.407
BPR          2.12      2.12      2.12      2.12      2.12      2.12      2.12      2.10
WAT2          478       478       478       478       478       478       478       478

N1           5251      5251      5251      5251      5251      5251      5251      5287
N2           7622      7622      7622      7622      7622      7622      7622      7689
PT30         12.3      12.3      12.3      12.3      12.3      12.3      12.3      12.7
PT4          42.6      42.6      42.6      42.6      42.6      42.6      42.6      44.3
TT30          895       895       895       895       895       895       895       902
TT4          1286      1286      1286      1286      1286      1286      1286      1301

PT9           7.6       7.6       7.6       7.6       7.6       7.6       7.6       7.9
PTD          10.0      10.3      10.4      10.5      10.7      10.8      11.0      11.7
TT9          1928      1928      1928      1928      1928      1928      1928      1927
TTD          3560      3000      2750      2500      2250      2000      1559       902
WAS/WAP    0.0398    0.0372    0.0360    0.0348    0.0335    0.0321    0.0276    0.0234
VENG         1941      1941      1941      1941      1941      1941      1941      1940
VDUCT        2618      2408      2308      2203      2093      1976      1751      1241
AJCDE        5.21      5.21      5.21      5.21      5.21      5.21      5.21      5.21
AJCDO       12.56     11.00     10.30      9.63      8.96      8.30      7.10      4.86

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ALT         65000   WASIZE        640   PT2/PT2P  0.870   WBL3       0.
MO           2.50   PAM           0.8   PT2        12.3   WBL4       0.
VA KTS       1434   TAM           390   TT2         875   HPEXT   500.0

CRUISE   MAX O/M                                          MIN C/M NOT LIT.

FNT         20257     17167     15744     14287     12707     11223      8971      4373
FGT         41170     38078     36656     35198     33697     32133     29881     25283
WAT           278       278       278       278       278       278       278       278
WFT         40089     30735     26981     23448     20243     17181     13235      6525
TSFC        1.979     1.790     1.714     1.641     1.593     1.531     1.475     1.492
BPR          2.09      2.09      2.09      2.09      2.09      2.09      2.09      2.08
WAT2          432       432       432       432       432       432       432       432

N1           5255      5255      5255      5255      5255      5255      5255      5293
N2           7811      7811      7811      7811      7811      7811      7811      7855
PT30         18.4      18.4      18.4      18.4      18.4      18.4      18.4      18.8
PT4          56.5      56.5      56.5      56.5      56.5      56.5      56.5      58.7
TT30         1006      1006      1006      1006      1006      1006      1006      1012
TT4          1393      1393      1393      1393      1393      1393      1393      1408

PT9          10.0      10.0      10.0      10.0      10.0      10.0      10.0      10.4
PTD          15.9      16.1      16.3      16.4      16.5      16.6      16.8      17.6
TT9          1924      1924      1924      1924      1924      1924      1924      1923
TTD          3560      3000      2750      2500      2250      2000      1659      1012
WAS/WAP    0.0372    0.0348    0.0337    0.0325    0.0313    0.0301    0.0282    0.0245
VENG         1939      1939      1939      1939      1939      1939      1939      1939
VDUCT        2618      2408      2308      2203      2093      1977      1805      1419
AJCDE        5.21      5.21      5.21      5.21      5.21      5.21      5.21      5.21
AJCDO       10.26      9.05      8.52      8.00      7.48      6.95      6.20      4.45

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ALT         65000   WASIZE        640   PT2/PT2P  0.846   WBL3       0.
MC           2.70   PAM           0.8   PT2        16.3   WBL4       0.
VA KTS       1549   TAM           390   TT2         954   HPEXT   500.0

CRUISE   MAX O/M                                          MIN O/M NOT LIT

FNT         23429     19610     17852     16064     14221     12304     10154      4687
FGT         50253     46633     44675     42887     41044     39128     36978     31510
WAT           330       330       330       330       330       330       330       330
WFT         46026     34999     30449     26403     22623     19014     15324      7356
TSFC        1.964     1.785     1.706     1.644     1.591     1.545     1.509     1.569
BPR          2.07      2.07      2.07      2.07      2.07      2.07      2.07      2.06
WAT2          404       404       404       404       404       404       404       404

N1           5222      5222      5222      5222      5222      5222      5222      5264
N2           7945      7945      7945      7945      7945      7945      7945      7984
PT30         23.7      23.7      23.7      23.7      23.7      23.7      23.7      24.2
PT4          67.7      67.7      67.7      67.7      67.7      67.7      67.7      70.1
TT30         1086      1086      1086      1086      1086      1086      1086      1093
TT4          1469      1469      1469      1469      1469      1469      1469      1483

PT9          12.0      12.0      12.0      12.0      12.0      12.0      12.0      12.4
PTD          20.8      21.2      21.4      21.5      21.6      21.7      21.9      22.8
TT9          1922      1922      1922      1922      1922      1922      1922      1921
TTD          3560      3000      2750      2500      2250      2000      1732      1093
WAS/WAP    0.0356    0.0333    0.0323    0.0311    0.0300    0.0288    0.0274    0.0239
VENG         1938      1938      1938      1938      1938      1938      1938      1938
VDUCT        2618      2408      2308      2204      2093      1977      1844      1473
AJCDE        5.20      5.20      5.20      5.20      5.20      5.20      5.20      5.21
AJCDO        9.19      8.14      7.68      7.22      6.76      6.29      5.77      4.24

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ALT          75000    WASIZE        640    PT2/PT2P  0.934    WBL3          0.
MC            2.20    PAM           0.5    PT2         5.0    WBL4          0.
VA KTS        1270    TAM           395    TT2         776    HPEXT      500.0

CRUISE   MAX D/H                                              MIN D/H NOT LIT

FNT          10420     8085     7469     6830     6168     5470     4062     1945
FGT          19214    16879    16263    15624    14962    14264    12856    10739
WAT            132      132      132      132      132      132      132      132
WFT          21191    16181    14216    12377    10724     9136     6386     3045
TSFC         2.034    2.001    1.901    1.812    1.739    1.670    1.572    1.567
BPR           2.45     2.45     2.45     2.45     2.45     2.45     2.45     2.43
WAT2           479      479      479      479      478      478      478      478

N1            5173     5173     5173     5173     5173     5173     5173     5205
N2            7359     7359     7359     7358     7358     7358     7358     7416
PT30           6.9      6.9      6.8      6.8      6.8      6.8      6.8      7.0
PT4           23.9     23.9     23.8     23.8     23.9     23.8     23.8     24.8
TT30           887      887      887      887      887      887      887      893
TT4           1270     1270     1270     1270     1270     1270     1270     1285

PT9            4.3      4.3      4.3      4.3      4.3      4.3      4.3      4.4
PTD            5.3      5.2      5.3      5.4      5.5      5.6      5.8      6.3
TT9           1937     1937     1937     1937     1937     1937     1937     1934
TTD           3560     3200     2750     2500     2250     2000     1534      853
WAS/WAP     0.0379   0.0372   0.0360   0.0347   0.0334   0.0320   0.0292   0.0249
VENG          1945     1945     1945     1945     1945     1945     1945     1945
VDUCT         2617     2408     2308     2233     2093     1976     1734     1335
AJCDE         5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.20
AJCDD        14.13    13.33    12.94    12.03    11.14    10.26     8.62     5.83

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ALT          75000    WASIZE        640    PT2/PT2P  0.870    WBL3          0.
MO            2.50    PAM           0.5    PT2         7.6    WBL4          0.
VA KTS        1443    TAM           395    TT2         886    HPEXT      500.0

CRUISE   MAX D/H                                              MIN D/H NOT LIT

FNT          12360    10430     9541     8627     7695     6703     5277     2374
FGT          25370    23440    22551    21637    20696    19713    18287    15384
WAT            172      172      172      172      172      172      172      172
WFT          25238    19284    16850    14558    12555    10602     8070     3784
TSFC         2.040    1.849    1.766    1.692    1.634    1.582    1.529    1.594
BPR           2.31     2.31     2.31     2.31     2.31     2.31     2.31     2.30
WAT2           432      432      432      432      432      432      432      432

N1            5189     5189     5189     5189     5189     5189     5189     5231
N2            7640     7640     7640     7640     7640     7640     7640     7686
PT30          10.7     10.7     10.7     10.7     10.7     10.7     10.7     11.0
PT4           32.5     32.5     32.5     32.5     32.5     32.5     32.5     33.7
TT30          1004     1004     1004     1004     1004     1004     1004     1009
TT4           1385     1385     1385     1385     1385     1385     1385     1400

PT9            5.8      5.8      5.8      5.9      5.8      5.8      5.8      6.0
PTD            9.0      9.1      9.2      9.3      9.4      9.5      9.6     10.1
TT9           1931     1931     1931     1931     1931     1931     1931     1930
TTD           3560     3000     2750     2500     2250     2000     1657     1009
WAS/WAP     0.0372   0.0349   0.0336   0.0324   0.0312   0.0299   0.0280   0.0241
VENG          1943     1943     1943     1943     1943     1943     1943     1942
VDUCT         2615     2404     2309     2203     2093     1977     1804     1417
AJCDE         5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDD        11.61    10.19     9.57     8.97     8.37     7.76     6.91     4.93

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ALT          75000    WASIZE        640    PT2/PT2P  0.846    WBL3          0.
MC            2.70    PAM           0.5    PT2        10.1    WBL4          0.
VA KTS        1553    TAM           395    TT2         966    HPEXT      500.0

CRUISE   MAX D/H                                              MIN D/H NOT LIT

FNT          14364    11971    10869     9745     8587     7381     6031     2578
FGT          31054    28661    27558    26435    25277    24071    22721    19268
WAT            204      204      204      204      204      204      204      204
WFT          28843    21846    18960    16392    13993    11704     9365     4297
TSFC         2.008    1.825    1.745    1.682    1.630    1.586    1.553    1.667
BPR           2.26     2.26     2.26     2.26     2.26     2.26     2.26     2.25
WAT2           404      404      404      404      404      404      404      404

N1            5170     5170     5170     5170     5170     5170     5170     5208
N2            7909     7909     7909     7909     7909     7909     7909     7842
PT30          14.0     14.0     14.0     14.0     14.0     14.0     14.0     14.3
PT4           39.5     39.5     39.5     39.5     39.5     39.5     39.5     40.8
TT30          1087     1087     1087     1087     1087     1087     1087     1092
TT4           1465     1465     1465     1465     1465     1465     1465     1475

PT9            7.0      7.0      7.0      7.0      7.0      7.0      7.0      7.2
PTD           12.1     12.3     12.4     12.5     12.6     12.7     12.8     13.3
TT9           1928     1929     1929     1929     1928     1928     1928     1928
TTD           3560     3000     2750     2500     2250     2000     1733     1092
WAS/WAP     0.0354   0.0333   0.0322   0.0310   0.0298   0.0286   0.0273   0.0236
VENG          1941     1941     1941     1941     1941     1941     1941     1941
VDUCT         2618     2409     2304     2204     2093     1977     1844     1473
AJCDE         5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.20
AJCDD        10.06     8.94     8.36     7.86     7.35     6.83     6.26     4.61

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ALT	55000	WASIZE	640	PT2/PT2R	0.904	WBL3	0.
MO	2.20	PAM	1.3	PT2	12.9	WBL4	0.
VA KTS	1262	TAM	390	TT2	767	HPEXT	500.0

CRUISE MAX D/H MIN C/H NOT LIT

FNT	25391	21918	20326	18685	16955	15229	11998	6606
FGT	47728	44255	42663	41022	39292	37566	34335	28943
WAT	337	337	337	337	337	337	337	337
WFT	49923	38798	34335	30124	26221	22673	16840	8933
TSFC	1.966	1.770	1.689	1.612	1.547	1.489	1.404	1.352
BPR	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92
WAT2	469	468	468	468	468	469	468	468
N1	5259	5259	5259	5259	5259	5259	5259	5290
N2	7814	7814	7814	7814	7814	7814	7814	7863
PT3D	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.9
PT4	72.0	72.0	72.0	72.0	72.0	72.0	72.0	74.5
TT3D	909	909	909	909	909	909	909	916
TT4	1299	1299	1299	1299	1299	1299	1299	1313
PT9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	13.3
PTD	18.2	18.6	18.8	19.0	19.2	19.3	19.6	23.6
TT9	1922	1922	1922	1922	1922	1922	1922	1922
TTD	3560	3000	2750	2500	2250	2000	1572	916
WAS/WAP	0.0376	0.0371	0.0359	0.0347	0.0334	0.0321	0.0257	0.0257
VENG	1938	1938	1938	1938	1938	1938	1938	1938
VOUCT	2618	2408	2308	2204	2093	1977	1758	1351
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.20
AJCDD	10.52	9.27	8.72	8.18	7.64	7.09	6.13	4.27

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ALT	55000	WASIZE	640	PT2/PT2R	0.870	WBL3	0.
MO	2.40	PAM	1.3	PT2	19.8	WBL4	0.
VA KTS	1434	TAM	390	TT2	875	HPEXT	500.0

CRUISE MAX D/H MIN C/H NOT LIT

FNT	29781	25491	23434	21328	19166	16917	13603	7430
FGT	60755	56465	54408	52302	50140	47891	44577	38404
WAT	412	412	412	412	412	412	412	412
WFT	57571	44380	39094	34112	29597	25284	20079	10681
TSFC	1.933	1.741	1.668	1.599	1.544	1.495	1.444	1.437
BPR	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.79
WAT2	397	397	397	397	397	397	397	397
N1	5147	5147	5147	5147	5147	5147	5147	5202
N2	7907	7907	7907	7907	7907	7907	7907	7961
PT3D	32.2	32.2	32.2	32.2	32.2	32.2	32.2	33.0
PT4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	96.0
TT3D	1030	1030	1030	1030	1030	1030	1030	1039
TT4	1396	1396	1396	1396	1396	1396	1396	1412
PT9	16.4	16.4	16.4	16.4	16.4	16.4	16.4	17.0
PTD	29.3	29.7	29.8	29.9	30.1	30.2	30.4	31.6
TT9	1921	1921	1921	1921	1921	1921	1921	1920
TTD	3560	3000	2750	2500	2250	2000	1682	1039
WAS/WAP	0.0369	0.0348	0.0335	0.0324	0.0312	0.0300	0.0286	0.0245
VENG	1938	1938	1938	1938	1938	1938	1938	1937
VOUCT	2618	2408	2308	2204	2093	1977	1817	1437
AJCDE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20
AJCDD	7.80	6.94	6.56	6.18	5.79	5.40	4.87	3.53

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ALT	55000	WASIZE	640	PT2/PT2R	0.846	WBL3	0.
MO	2.70	PAM	1.3	PT2	26.3	WBL4	0.
VA KTS	1548	TAM	390	TT2	954	HPEXT	500.0

CRUISE MAX D/H MIN C/H NOT LIT

FNT	32596	27424	25064	22663	20194	17630	15123	7984
FGT	70489	65317	62956	60556	58087	55522	53015	45877
WAT	466	466	466	466	466	466	466	466
WFT	62149	47475	41599	36295	31345	26621	22379	11994
TSFC	1.907	1.731	1.660	1.601	1.552	1.510	1.480	1.502
BPR	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.65
WAT2	354	354	354	354	354	354	354	354
N1	5122	5122	5122	5122	5122	5122	5122	5188
N2	8023	8023	8023	8023	8023	8023	8023	8063
PT3D	42.3	42.3	42.3	42.3	42.3	42.3	42.3	43.2
PT4	110.4	110.4	110.4	110.4	110.4	110.4	110.4	114.6
TT3D	1123	1123	1123	1123	1123	1123	1123	1130
TT4	1471	1471	1471	1471	1471	1471	1471	1487
PT9	19.5	19.5	19.5	19.5	19.5	19.5	19.5	20.2
PTD	39.6	40.0	40.1	40.2	40.3	40.5	40.6	41.8
TT9	1919	1919	1919	1919	1919	1919	1919	1918
TTD	3560	3000	2750	2500	2250	2000	1766	1130
WAS/WAP	0.0351	0.0330	0.0320	0.0309	0.0299	0.0287	0.0277	0.0245
VENG	1937	1937	1937	1937	1937	1937	1937	1936
VOUCT	2618	2408	2308	2204	2094	1977	1861	1498
AJCDE	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.20
AJCDD	6.34	5.66	5.36	5.06	4.75	4.43	4.12	3.06

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ALT	65000	WASIZE	640	PT2/PT2R	0.904	WBL3	0.
MO	2.20	PAM	0.8	PT2	8.0	WBL4	0.
VA KTS	1262	TAM	390	TT2	767	HPEXT	500.0

CRUISE MAX D/H MIN C/H NOT LIT

FNT	15627	13463	12471	11446	10389	9283	7203	3811
FGT	29478	27314	26322	25297	24240	23134	21054	17662
WAT	209	209	209	209	209	209	209	209
WFT	31473	24396	21557	18881	16462	14143	10347	5328
TSFC	2.014	1.812	1.729	1.650	1.585	1.524	1.436	1.398
BPR	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.06
WAT2	468	468	468	468	468	468	468	468
N1	5214	5214	5214	5214	5214	5214	5214	5247
N2	7619	7619	7619	7619	7619	7619	7619	7685
PT3D	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.9
PT4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	44.0
TT3D	898	898	898	898	898	898	898	905
TT4	1284	1284	1284	1284	1284	1284	1284	1299
PT9	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.9
PTD	10.4	10.7	10.9	11.0	11.1	11.2	11.3	12.0
TT9	1929	1929	1929	1929	1929	1929	1929	1928
TTD	3560	3000	2750	2500	2250	2000	1562	905
WAS/WAP	0.0398	0.0372	0.0360	0.0345	0.0335	0.0321	0.0296	0.0254
VENG	1941	1941	1941	1941	1941	1941	1941	1941
VOUCT	2619	2408	2309	2201	2093	1976	1753	1243
AJCDE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20
AJCDD	11.70	10.27	9.64	9.02	8.41	7.80	6.69	4.61

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ALT	65000	WASIZE	640	PT2/PT2R	0.870	WBL3	0.
MO	2.40	PAM	0.8	PT2	12.3	WBL4	0.
VA KTS	1434	TAM	390	TT2	875	HPEXT	500.0

CRUISE MAX D/H MIN C/H NOT LIT

FNT	18626	15808	14516	13193	11834	10419	8469	4361
FGT	37833	35015	33723	32400	31041	29626	27676	23568
WAT	255	255	255	255	255	255	255	255
WFT	36188	27849	24501	21351	18495	15766	12385	6425
TSFC	1.943	1.762	1.688	1.618	1.563	1.513	1.462	1.473
BPR	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.89
WAT2	397	397	397	397	397	397	397	397
N1	5094	5094	5094	5094	5094	5094	5094	5140
N2	7793	7793	7793	7793	7793	7793	7793	7843
PT3D	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.8
PT4	55.1	55.1	55.1	55.1	55.1	55.1	55.1	57.2
TT3D	1021	1021	1021	1021	1021	1021	1021	1028
TT4	1384	1384	1384	1384	1384	1384	1384	1400
PT9	9.8	9.8	9.8	9.8	9.8	9.8	9.8	10.2
PTD	17.4	17.7	17.8	17.9	17.9	18.0	18.1	18.9
TT9	1928	1928	1928	1928	1928	1928	1928	1926
TTD	3560	3000	2750	2500	2250	2000	1673	1028
WAS/WAP	0.0370	0.0347	0.0336	0.0325	0.0313	0.0301	0.0284	0.0247
VENG	1941	1941	1941	1941	1941	1941	1941	1940
VOUCT	2618	2408	2308	2204	2093	1977	1913	1430
AJCDE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20
AJCDD	8.30	7.37	6.96	6.55	6.14	5.72	5.14	3.72

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ALT	65000	WASIZE	640	PT2/PT2R	0.846	WBL3	0.
MO	2.70	PAM	0.8	PT2	16.3	WBL4	0.
VA KTS	1548	TAM	390	TT2	954	HPEXT	500.0

CRUISE MAX D/H MIN C/H NOT LIT

FNT	20308	17054	15568	14056	12501	10885	9245	4724
FGT	43805	40550	39065	37553	35998	34382	32742	28221
WAT	289	289	289	289	289	289	289	289
WFT	39084	29797	26077	22725	19592	16604	13820	7249
TSFC	1.926	1.747	1.675	1.617	1.567	1.525	1.495	1.534
BPR	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.74
WAT2	354	354	354	354	354	354	354	354
N1	5046	5046	5046	5046	5046	5046	5046	5111
N2	7926	7926	7926	7926	7926	7926	7926	7989
PT3D	25.5	25.5	25.5	25.5	25.5	25.5	25.5	26.1
PT4	66.1	66.1	66.1	66.1	66.1	66.1	66.1	68.6
TT3D	1113	1113	1113	1113	1113	1113	1113	1121
TT4	1459	1459	1459	1459	1459	1459	1459	1475
PT9	11.7	11.7	11.7	11.7	11.7	11.7	11.7	12.1
PTD	23.7	24.0	24.1	24.1	24.2	24.3	24.4	25.2
TT9	1926	1926	1926	1926	1926	1926	1926	1924
TTD	3560	3000	2750	2500	2250	2000	1757	1121
WAS/WAP	0.0353	0.0331	0.0321	0.0310	0.0299	0.0288	0.0276	0.0244
VENG	1940	1940	1940	1940	1940	1940	1940	1939
VOUCT	2619	2408	2308	2204	2094	1977	1856	1492
AJCDE	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20
AJCDD	6.69	5.97	5.65	5.33	5.01	4.67	4.33	3.21

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ALT        75000   WASIZE       440   PT2/PT2P  0.906   WBL3        0.
MO          2.21   PAM          0.5   PT2         5.0   WBL4        0.
VA KTS      1277   TAM          355   TT2         776   HPEXT    500.0

CRUISE    MAX D/H                                      MIN D/H NOT LIT

FNT        11166     9733     7676     6785     6128     5514     4777     1967
FGT        17183    16653    16017    15409    14756    14055    12696    10586
WAT          129      129      129      129      129      129      129      129
WFT        20358    15655    13771    12005    10413     8884     6735     3030
TSFC       2.176    1.967    1.858    1.769    1.699    1.634    1.542    1.541
BPR         2.45     2.40     2.43     2.40     2.40     2.40     2.47     2.38
WAT2         468      469      464      468      468      469      468      468

N1          5132     5132     5132     5132     5132     5132     5132     5172
N2          7351     7351     7351     7351     7351     7351     7351     7408
PT30         7.0      7.0      7.0      7.0      7.0      7.0      7.0      7.2
PT4         23.7     23.7     23.7     23.7     23.7     23.7     23.7     24.6
TT30         890      890      890      890      890      890      890      896
TT4         1268     1268     1268     1268     1268     1268     1268     1283

PT9          4.3      4.3      4.3      4.3      4.3      4.3      4.3      4.4
PTD          5.4      5.6      5.7      5.8      5.9      6.0      6.1      6.6
TT9         1938     1938     1938     1938     1938     1938     1938     1937
TTD         3500     3000     2750     2500     2250     2000     1563      896
WAS/WAP   0.0379   0.0372   0.0360   0.0347   0.0333   0.0320   0.0292   0.0265
VENG        1946     1946     1946     1946     1946     1946     1946     1943
VDUCT       2517     2408     2309     2201     2091     1976     1742     1337
AJCDE       5.21     5.21     5.21     5.21     5.21     5.21     5.21     5.21
AJCDD      14.53    12.69    11.86    11.02    10.23     9.44     7.99     5.44

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ALT        75000   WASIZE       440   PT2/PT2P  0.872   WBL3        0.
MO          2.52   PAM          0.4   PT2         7.6   WBL4        0.
VA KTS      1443   TAM          355   TT2         886   HPEXT    500.0

CRUISE    MAX D/H                                      MIN D/H NOT LIT

FNT        11427     9655     8947     8305     7147     6252     5036     2784
FGT        25179    21655    20790    19955    19097    18203    16954    14136
WAT          158      158      158      158      158      158      158      158
WFT        22795    17655    15315    13301    11475     9731     7545     3721
TSFC       1.994    1.808    1.732    1.662    1.606    1.556    1.500    1.559
BPR         2.11     2.11     2.11     2.11     2.11     2.11     2.11     2.10
WAT2         397      397      397      397      397      397      397      397

N1          5033     5033     5033     5033     5033     5033     5033     5075
N2          7623     7623     7623     7623     7623     7623     7623     7667
PT30        11.3     11.3     11.3     11.3     11.3     11.3     11.3     11.6
PT4         31.8     31.8     31.8     31.8     31.8     31.8     31.8     32.9
TT30        1017     1017     1017     1017     1017     1017     1017     1023
TT4         1377     1377     1377     1377     1377     1377     1377     1391

PT9          5.7      5.7      5.7      5.7      5.7      5.7      5.7      5.9
PTD         10.0     10.2     10.2     10.3     10.4     10.4     10.5     11.0
TT9         1935     1935     1935     1935     1935     1935     1935     1933
TTD         3550     3000     2750     2500     2250     2000     1569     1023
WAS/WAP   0.0370   0.0346   0.0335   0.0326   0.0312   0.0298   0.0281   0.0244
VENG        1944     1944     1944     1944     1944     1944     1944     1944
VDUCT       2619     2608     2308     2203     2093     1977     1811     1427
AJCDE       5.22     5.22     5.20     5.20     5.20     5.20     5.20     5.21
AJCDD       9.24     9.18     7.76     7.25     6.79     6.31     5.67     4.15

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ALT        75000   WASIZE       440   PT2/PT2P  0.845   WBL3        0.
MO          2.71   PAM          0.5   PT2        10.1   WBL4        0.
VA KTS      1554   TAM          355   TT2         956   HPEXT    500.0

CRUISE    MAX D/H                                      MIN D/H NOT LIT

FNT        12538    10472     9525     8569     7581     6954     5455     2503
FGT        27156    25032    24145    23187    22201    21175    20115    17223
WAT          179      179      179      179      179      179      179      179
WFT        24638    19349    16303    14180    12154    11240     8430     4210
TSFC       1.965    1.795    1.711    1.652    1.603    1.562    1.534    1.617
BPR         1.95     1.95     1.95     1.95     1.95     1.95     1.95     1.93
WAT2         354      354      354      354      354      354      354      354

N1          4931     4931     4931     4931     4931     4931     4931     4990
N2          7740     7730     7730     7730     7780     7780     7780     7437
PT30        15.1     15.1     15.1     15.1     15.1     15.1     15.1     15.4
PT4         38.2     38.2     38.2     38.2     38.2     38.2     38.2     38.6
TT30        1110     1110     1110     1110     1110     1110     1110     1116
TT4         1451     1451     1451     1451     1451     1451     1451     1467

PT9          6.8      6.8      6.8      6.8      6.8      6.8      6.8      7.0
PTD         13.9     14.0     14.1     14.1     14.2     14.2     14.3     14.8
TT9         1934     1934     1934     1934     1934     1934     1934     1932
TTD         3543     3000     2750     2500     2250     2000     1753     1116
WAS/WAP   0.0351   0.0331   0.0325   0.0309   0.0298   0.0286   0.0274   0.0249
VENG        1944     1944     1944     1944     1944     1944     1944     1943
VDUCT       2419     2408     2309     2206     2093     1977     1854     1489
AJCDE       5.20     5.20     5.20     5.20     5.20     5.20     5.20     5.20
AJCDD       7.14     6.55     6.19     5.84     5.47     5.10     4.72     3.51

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ALT	0	WASIZE	640	PT2/PT2P	1.000	WBL3	0.
MO	0.	PAM	14.7	PT2	14.7	WBL4	0.
VA KTS	0	TAM	519	TT2	519	HPEXT	500.0

PART PWR

FNT	35720	33839	31831	29521	25969	22365	19329	16658
FGT	35720	33839	31831	29521	25969	22365	19329	16658
WAT	640	640	640	617	604	566	530	496
WFT	26976	24264	21898	19599	16778	14316	12345	10679
TSFC	0.755	0.717	0.688	0.664	0.646	0.640	0.639	0.641
BPR	1.31	1.37	1.44	1.52	1.62	1.70	1.74	1.76
WAT2	640	640	640	617	604	566	530	496
N1	5941	5872	5810	5716	5364	5000	4756	4527
N2	7941	7941	7738	7626	7476	7309	7118	6527
PT30	41.0	38.2	35.7	32.6	31.4	29.7	27.8	26.5
PT4	179.1	171.6	163.9	155.1	138.7	123.2	111.1	101.0
TT30	735	716	698	681	669	656	642	629
TT4	1137	1119	1101	1081	1046	1010	980	952
PT9	32.9	31.0	29.4	27.7	24.8	22.6	21.1	19.9
PTD	39.9	36.6	33.6	30.7	29.6	27.9	26.2	24.9
TT9	1988	1910	1831	1751	1680	1615	1551	1489
TTD	735	716	698	681	669	656	641	629
WAS/WAP	0.0314	0.0307	0.0299	0.0292	0.0285	0.0279	0.0274	0.0269
VENG	1970	1932	1892	1853	1687	1507	1355	1223
VDUCT	1212	1196	1181	1167	1157	1145	1083	1014
AJCDE	5.21	5.21	5.21	5.21	5.21	5.20	5.20	5.20
AJCDD	3.26	3.54	3.98	4.27	4.27	4.27	4.27	4.27

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ALT	0	WASIZE	640	PT2/PT2P	1.000	WBL3	0.
MO	0.	PAM	14.7	PT2	14.7	WBL4	0.
VA KTS	0	TAM	519	TT2	519	HPEXT	500.0

PART PWR

FNT	14046	11058	9452
FGT	14046	11058	9452
WAT	455	402	375
WFT	9383	7508	6701
TSFC	0.668	0.679	0.709
BPR	1.77	1.79	1.82
WAT2	455	402	375
N1	4276	3928	3466
N2	6715	6397	6199
PT30	24.3	22.2	21.1
PT4	90.8	76.0	70.7
TT30	616	600	592
TT4	921	882	856
PT9	18.5	17.8	17.3
PTD	22.9	21.1	20.1
TT9	1439	1384	1367
TTD	616	600	591
WAS/WAP	0.0265	0.0261	0.0255
VENG	1055	947	867
VDUCT	940	840	780
AJCDE	5.21	5.21	5.20
AJCDD	4.27	4.27	4.27

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ALT	0	WASIZE	640	PT2/PT2P	1.000	WBL3	0.
MO	0.20	PAM	14.7	PT2	15.1	WBL4	0.
VA KTS	132	TAM	519	TT2	523	HPEXT	500.0

PART PWR

FNT	32218	30109	27747	25858	22457	19212	16437	13952
FGT	35757	34428	32775	30450	26721	23214	20169	17480
WAT	651	651	651	647	615	577	542	508
WFT	26241	23944	21442	19625	16897	14518	12562	10860
TSFC	0.814	0.795	0.773	0.759	0.752	0.756	0.764	0.778
BPR	1.32	1.39	1.45	1.53	1.63	1.70	1.75	1.76
WAT2	637	637	637	632	600	563	529	496
N1	5933	5859	5795	5684	5339	5004	4766	4547
N2	7956	7952	7750	7635	7445	7317	7127	6935
PT30	41.7	38.4	36.0	33.1	32.2	30.4	29.5	26.9
PT4	182.4	174.5	166.5	156.9	140.2	125.4	113.4	102.2
TT30	738	719	701	684	673	660	647	634
TT4	1142	1123	1105	1083	1049	1015	985	957
PT9	33.1	31.5	29.7	28.0	25.1	22.7	21.3	20.1
PTD	40.2	37.2	34.3	31.4	30.3	28.6	26.9	25.2
TT9	1958	1910	1831	1753	1679	1613	1549	1485
TTD	738	719	701	685	673	661	647	634
WAS/WAP	0.0312	0.0305	0.0299	0.0291	0.0284	0.0278	0.0273	0.0268
VENG	1973	1931	1892	1857	1700	1525	1377	1245
VDUCT	1215	1199	1184	1170	1160	1150	1107	1043
AJCDE	5.21	5.21	5.21	5.21	5.21	5.20	5.20	5.20
AJCDD	3.28	3.56	3.91	4.27	4.27	4.27	4.27	4.27

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ALT	0	WASIZE	640	PT2/PT2P	1.000	WBL3	0.
MO	0.20	PAM	14.7	PT2	15.1	WBL4	0.
VA KTS	132	TAM	519	TT2	523	HPEXT	500.0

PART PWR

FNT	11663	9021	6407
FGT	14552	11980	8980
WAT	474	426	371
WFT	9330	7724	6186
TSFC	0.800	0.856	0.965
BPR	1.78	1.81	1.85
WAT2	462	416	362
N1	4312	3992	3506
N2	6737	6426	6084
PT30	25.0	23.0	20.9
PT4	93.4	81.0	67.3
TT30	621	606	590
TT4	928	891	862
PT9	19.1	18.1	17.1
PTD	23.6	21.8	19.9
TT9	1429	1376	1338
TTD	621	606	590
WAS/WAP	0.0264	0.0259	0.0255
VENG	1118	976	823
VDUCT	972	878	769
AJCDE	5.21	5.20	5.20
AJCDD	4.27	4.27	4.27

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ALT	0	WASIZE	640	PT2/PT2P	1.000	WBL3	0.
MO	0.40	PAM	14.7	PT2	16.4	WBL4	0.
VA KTS	265	TAM	519	TT2	535	HPEXT	500.0

PART PWR

FNT	30891	29233	26026	23340	20094	17273	14739	12456
FGT	39941	37923	35616	32751	29033	25755	22763	20037
WAT	691	691	691	678	644	611	570	544
WFT	27710	24763	22573	20118	17378	15109	13144	11425
TSFC	0.897	0.847	0.867	0.862	0.865	0.875	0.892	0.917
BPR	1.34	1.41	1.49	1.57	1.66	1.72	1.76	1.79
WAT2	625	629	625	617	586	556	526	497
N1	5846	5817	5748	5582	5260	5010	4804	4604
N2	7995	7866	7791	7659	7504	7339	7152	6564
PT30	44.1	41.0	37.9	35.6	34.3	32.7	30.7	29.1
PT4	191.6	182.7	173.9	161.7	145.1	131.9	120.4	110.1
TT30	747	728	709	695	685	673	662	650
TT4	1154	1135	1116	1091	1057	1028	1000	973
PT9	34.7	33.0	31.2	28.9	25.9	23.8	22.2	20.9
PTD	42.9	39.2	35.8	33.4	32.2	30.7	29.1	27.4
TT9	1956	1909	1831	1754	1679	1608	1541	1475
TTD	747	728	709	695	685	673	662	650
WAS/WAP	0.0309	0.0302	0.0295	0.0288	0.0281	0.0276	0.0271	0.0266
VENG	1969	1931	1895	1857	1748	1585	1438	1305
VDUCT	1222	1206	1191	1175	1170	1160	1151	1127
AJCDE	5.21	5.21	5.20	5.20	5.20	5.20	5.20	5.20
AJCDD	3.33	3.64	4.01	4.27	4.27	4.27	4.27	4.27

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ALT	0	WASIZE	640	PT2/PT2P	1.000	WBL3	0.
MO	0.40	PAM	14.7	PT2	16.4	WBL4	0.
VA KTS	265	TAM	519	TT2	535	HPEXT	500.0

PART PWR

FNT	10303	8141	5936	3655
FGT	17427	14732	11888	8642
WAT	513	475	429	366
WFT	9834	8737	6854	5316
TSFC	0.955	1.073	1.155	1.455
BPR	1.81	1.83	1.88	1.98
WAT2	467	432	390	323
N1	4387	4142	3750	3187
N2	6770	6532	6250	5855
PT30	27.3	25.4	23.4	21.1
PT4	100.1	89.6	77.4	62.0
TT30	637	623	609	591
TT4	946	915	876	820
PT9	19.8	18.8	17.8	16.7
PTD	25.7	23.9	22.1	20.1
TT9	1413	1356	1307	1278
TTD	637	624	609	591
WAS/WAP	0.0261	0.0257	0.0252	0.0248
VENG	1178	1049	910	748
VDUCT	1062	988	897	778
AJCDE	5.20	5.20	5.21	5.20
AJCDD	4.27	4.27	4.27	4.27

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ALT         5000    WASIZE        640    PT2/PT2P   1.000     WRL3          0.
MO          0.20    RAM          12.2    PT2         12.6     WRL4          0.
VA KTS       130    TAM           521    TT2          505     HPEXT     500.0

PART PWR

FNT        26144    26823    25141    23250    20641    17590    14966    12700
FGT        37343    30666    28983    27141    24374    21064    18293    15738
WAT          563      563      563      558      540      507      476      446
WFT        22168    21041    19133    17565    15324    13034    11195     9648
TSFC       0.848    0.784    0.761    0.753    0.742    0.741    0.746    0.760
BPR         1.31     1.36     1.47     1.55     1.57     1.67     1.74     1.77
WAT2         653      650      652      650      621      585      549      514

N1          5765     5709     5657     5502     5385     5100     4817     4580
N2          7444     7730     7683     7554     7447     7284     7099     6503
PT3D        36.0     33.6     31.2     28.6     27.5     26.3     24.7     22.1
PT4        157.7    151.6    145.4    138.3    124.1    111.3     99.4     83.9
TT3D         722      714      696      665      658      646      632      622
TT4         1171     1103     1086     1062     1038     1001      969      945

PT9         28.7     27.4     26.1     24.8     22.5     20.1     18.6     17.3
PTD         33.7     32.9     29.5     26.9     25.9     24.7     23.3     21.7
TT9         1995     1911     1832     1754     1678     1608     1542     1473
TTD          722      704      686      665      659      646      632      619
WAS/WAP   0.0317   0.0310   0.0303   0.0296   0.0289   0.0282   0.0276   0.0271
VENG        1970     1932     1893     1853     1827     1603     1457     1278
VDUCT       1202     1157     1172     1157     1147     1137     1125     1061
AJCDE       5.21     5.21     5.21     5.21     5.21     5.20     5.20     5.20
AJCDD       3.24     3.49     3.92     4.22     4.27     4.27     4.27     4.27

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ALT         5000    WASIZE        640    PT2/PT2P   1.000     WRL3          0.
MO          0.20    RAM          12.2    PT2         12.6     WRL4          0.
VA KTS       130    TAM           501    TT2          505     HPEXT     500.0

PART PWR

FNT        10773     8506     6707     5312
FGT        13566    11716     8475     7094
WAT          417      379      333      305
WFT         8399     6969     5613     4536
TSFC       0.779    0.817    0.904    0.998
BPR         1.79     1.81     1.85     1.89
WAT2         411      438      384      352

N1          4363     4076     3656     3355
N2          6710     5637     6104     5305
PT3D        21.6     19.9     18.1     17.2
PT4         91.4     71.9     60.8     54.0
TT3D         637      592      575      567
TT4          912      878      836      804

PT9         14.9     15.4     14.5     14.1
PTD         20.4     19.4     17.2     16.6
TT9         1427     1366     1321     1297
TTD          626      593      577      567
WAS/WAP   0.0257   0.0262   0.0259   0.0255
VENG        1154     1026      873      793
VDUCT        936      908      803      733
AJCDE       5.21     5.20     5.20     5.21
AJCDD       4.27     4.27     4.27     4.27

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```
ALT         5000    WASIZE        640    PT2/PT2P   1.000     WRL3          0.
MO          0.40    RAM          12.2    PT2         13.7     WRL4          0.
VA KTS       263    TAM           501    TT2          517     HPEXT     500.0

PART PWR

FNT        26945    25241    23410    21337    18561    15802    13462    11395
FGT        35879    33340    31549    29422    26250    23091    20382    17907
WAT          597      597      597      593      565      534      506      477
WFT        24563    21130    20065    18121    15683    13448    11679    10135
TSFC       0.930    0.849    0.857    0.849    0.846    0.854    0.866    0.889
BPR         1.37     1.37     1.44     1.52     1.61     1.70     1.76     1.78
WAT2         661      641      661      637      607      574      544      513

N1          5960     5874     5812     5711     5388     5064     4838     4636
N2          7929     7928     7725     7614     7466     7306     7122     6931
PT3D        38.0     35.5     32.9     30.7     29.4     28.1     26.6     25.0
PT4        164.7    159.8    152.7    144.7    129.7    116.2    105.4     96.2
TT3D         732      714      695      675      668      658      646      634
TT4         1134     1116     1098     1078     1045     1012      983      956

PT9         30.3     28.9     27.4     25.8     23.1     20.8     19.1     17.9
PTD         36.7     34.0     31.7     28.9     27.6     26.4     25.1     23.6
TT9         1999     1910     1832     1754     1678     1606     1536     1470
TTD          732      714      695      675      669      658      645      633
WAS/WAP   0.0314   0.0307   0.0300   0.0293   0.0286   0.0279   0.0274   0.0269
VENG        1970     1932     1893     1853     1814     1456     1476     1356
VDUCT       1210     1195     1179     1166     1156     1147     1136     1128
AJCDE       5.21     5.21     5.21     5.21     5.21     5.20     5.20     5.20
AJCDD       3.23     3.55     3.90     4.27     4.27     4.27     4.27     4.27

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```
ALT         5000    WASIZE        640    PT2/PT2P   1.000     WRL3          0.
MO          0.40    RAM          12.2    PT2         13.7     WRL4          0.
VA KTS       263    TAM           521    TT2          517     HPEXT     500.0

PART PWR

FNT         9417     7438     5595     3902     3575
FGT        15622    13318    10965     9157     6626
WAT          469      419      375      334      257
WFT         8737     7436     6147     4914     4172
TSFC       0.919    0.974    1.073    1.257    1.620
BPR         1.81     1.83     1.84     1.98     2.02
WAT2         493      469      407      357      319

N1          4472     4191     3875     3412     3022
N2          6735     6524     6237     5921     5642
PT3D        23.5     21.9     20.1     18.4     17.2
PT4         87.6     78.7     68.6     57.1     48.8
TT3D         621      609      596      578      559
TT4          929      935      863      817      773

PT9         14.9     16.0     15.1     14.3     13.7
PTD         22.1     20.6     19.0     17.4     16.4
TT9         1427     1347     1296     1255     1252
TTD          621      608      594      578      568
WAS/WAP   0.0264   0.0259   0.0255   0.0250   0.0248
VENG        1223     1076      956      806      703
VDUCT       1079     1005      915      915      737
AJCDE       5.20     5.20     5.20     5.21     5.21
AJCDD       4.27     4.27     4.27     4.27     4.27

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```
ALT         5000    WASIZE        640    PT2/PT2P   1.000     WRL3          0.
MO          0.60    RAM          12.2    PT2         15.6     WRL4          0.
VA KTS       390    TAM           501    TT2          537     HPEXT     500.0

PART PWR

FNT     [illegible]    24564    22520    20015    17184    14856    12776    10815
FGT        39735    37959    35911    33107    29625    26759    24151    21632
WAT          655      655      655      640      608      582      556      529
WFT        25565    23338    21270    18982    16343    14292    12525    10925
TSFC       0.967    0.950    0.944    0.943    0.951    0.962    0.980    1.010
BPR         1.35     1.42     1.50     1.59     1.67     1.74     1.78     1.80
WAT2         628      628      628      613      583      559      531      507

N1          5883     5808     5739     5552     5240     5034     4861     4689
N2          7987     7883     7777     7649     7498     7333     7159     6976
PT3D        41.6     38.7     35.7     33.7     32.5     31.3     29.9     28.4
PT4        192.8    172.3    163.8    151.7    136.5    125.0    115.2    106.0
TT3D         748      728      710      696      686      677      667      657
TT4         1155     1135     1116     1099     1057     1031     1005      980

PT9         32.8     31.1     29.4     27.1     24.3     22.2     20.5     19.1
PTD         40.0     36.5     33.8     31.7     30.5     29.4     28.1     26.7
TT9         1998     1910     1832     1754     1679     1603     1530     1459
TTD          745      728      710      696      686      678      667      658
WAS/WAP   0.0308   0.0301   0.0294   0.0287   0.0281   0.0275   0.0270   0.0265
VENG        1970     1932     1893     1854     1815     1745     1597     1455
VDUCT       1222     1207     1191     1180     1172     1164     1156     1147
AJCDE       5.21     5.21     5.20     5.21     5.20     5.21     5.20     5.20
AJCDD       3.35     3.67     4.05     4.27     4.27     4.27     4.27     4.27

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```
ALT         5000    WASIZE        640    PT2/PT2P   1.000     WRL3          0.
MO          0.60    RAM          12.2    PT2         15.6     WRL4          0.
VA KTS       390    TAM           531    TT2          537     HPEXT     500.0

PART PWR

FNT         8942     7168     5555     3936     2300     1126
FGT        15193    15811    14606    13124     9736     9483
WAT          501      471      442      405      364      340
WFT         9425     8063     6853     5624     4497     3556
TSFC       1.054    1.125    1.234    1.444    1.955    2.591
BPR         1.84     1.87     1.90     1.97     2.07     2.13
WAT2         480      457      424      389      349      326

N1          4475     4292     4077     3737     3309     3057
N2          6777     6572     6376     6115     5831     5639
PT3D        26.9     25.2     23.5     21.7     20.0     19.1
PT4         96.7     87.8     79.5     65.1     58.3     52.4
TT3D         645      633      621      602      593      585
TT4          953      926      855      867      813      794

PT9         17.9     16.9     16.0     15.1     14.9     13.9
PTD         25.3     23.7     22.1     20.5     18.9     18.0
TT9         1393     1339     1265     1217     1173     1155
TTD          645      634      621      606      593      587
WAS/WAP   0.0260   0.0255   0.0251   0.0246   0.0241   0.0239
VENG        1317     1187     1065      924      786      712
VDUCT       1136     1126     1079      994      913      860
AJCDE       5.20     5.20     5.20     5.20     5.21     5.21
AJCDD       4.27     4.27     4.27     4.27     4.27     4.27

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ALT        15000   WASIZE      640   PT2/PT2P  1.000    WBL3        0.
MO          0.60   PAM         8.3   PT2        10.6    WBL4        0.
VA KTS       376   TAM         465   TT2         499    HPEXT    500.0

PART PWR

FNT        20692   19308   17334   14458   14438   12290   10432    8522
FGT        30071   29776   27402   23926   23499   20879   19516   16709
WAT          480     480     480     480     460     436     413     396
WFT        15498   17915   16386   15007   13110   11227    9679    8436
TSFC       0.946   0.928   0.914   0.911   0.908   0.913   0.928   0.945
BPR         1.32    1.37    1.43    1.49    1.57    1.67    1.75    1.80
WAT2         656     654     654     654     626     593     562     537

N1          5974    5918    5870    5815    5647    5352    4967    4717
N2          7849    7751    7652    7547    7408    7251    7076    6854
PT30        30.4    28.4    26.3    24.2    23.3    22.5    21.5    20.6
PT4        133.3   125.7   121.4   118.9   107.3    95.5    86.1    75.6
TT30         719     697     679     662     651     641     631     622
TT4         1117    1095    1078    1065    1030     996     966     941

PT9         24.6    23.3    22.2    21.1    19.1    17.0    15.3    14.0
PTD         29.3    27.3    25.5    22.7    21.9    21.2    20.2    19.4
TT9         1932    1913    1834    1725    1679    1604    1530    1455
TTD          719     697     679     662     652     641     631     622
WAS/WAP   0.0319  0.0311  0.0304  0.0297  0.0290  0.0283  0.0277  0.0272
VENG        1971    1933    1894    1854    1815    1775    1725    1667
VDUCT       1194    1180    1165    1151    1142    1133    1124    1116
AJCDE       5.20    5.20    5.20    5.20    5.21    5.21    5.20    5.21
AJCDD       3.26    3.51    3.94    4.27    4.27    4.27    4.27    4.27

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ALT        15000   WASIZE      640   PT2/PT2P  1.000    WBL3        0.
MO          0.60   PAM         8.3   PT2        10.6    WBL4        0.
VA KTS       376   TAM         465   TT2         499    HPEXT    500.0

PART PWR

FNT         7665    6088    4778    3620    2325    1079
FGT        14427   12988   11268    9867    7769    5772
WAT          375     351     329     307     276     238
WFT         7497    6228    5295    4491    3567    2717
TSFC       0.978   1.028   1.107   1.239   1.534   2.519
BPR         1.83    1.88    1.91    1.96    2.04    2.19
WAT2         509     478     448     419     376     329

N1          4534    4324    4117    3888    3491    2943
N2          6721    6608    6428    6079    5788    5332
PT30        19.4    18.1    17.0    15.8    14.4    13.0
PT4         72.1    65.0    59.7    52.6    44.4    35.2
TT30         612     600     588     575     560     544
TT4          915     887     855     831     790     737

PT9         13.0    12.1    11.3    10.7    10.1     9.4
PTD         19.3    17.2    16.9    14.6    13.6    12.3
TT9         1376    1321    1258    1198    1151    1119
TTD          612     599     587     576     560     544
WAS/WAP   0.0266  0.0261  0.0256  0.0251  0.0246  0.0241
VENG        1421    1275    1140    1015     864     706
VDUCT       1106    1095    1084    1031     942     831
AJCDE       5.20    5.20    5.20    5.20    5.19    5.20
AJCDD       4.27    4.27    4.27    4.27    4.27    4.27

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ALT        15000   WASIZE      640   PT2/PT2P  1.000    WBL3        0.
MO          0.80   PAM         8.3   PT2        12.6    WBL4        0.
VA KTS       501   TAM         465   TT2         525    HPEXT    500.0

PART PWR

FNT        21344   19775   18142   16192   13873   11908   10310    8823
FGT        35642   34073   32444   30220   27202   24598   22498   20510
WAT          544     544     544     534     507     481     464     444
WFT        21560   19661   17952   16011   13804   11599   10531    9237
TSFC       1.010   0.994   0.989   0.989   0.995   1.008   1.021   1.049
BPR         1.34    1.40    1.48    1.56    1.66    1.73    1.78    1.82
WAT2         636     636     636     624     593     566     542     520

N1          5911    5860    5776    5603    5276    5026    4869    4724
N2          7935    7936    7730    7606    7453    7289    7115    6940
PT30        34.4    31.9    29.5    27.7    26.8    25.7    24.8    23.8
PT4        150.4   143.9   137.1   127.4   116.3   103.8    95.8    88.6
TT30         736     717     699     684     674     665     656     648
TT4         1141    1122    1104    1075    1045    1016     992     968

PT9         27.3    26.0    24.6    22.9    20.4    18.5    16.9    15.6
PTD         33.1    30.5    28.0    26.1    25.2    24.2    23.3    22.3
TT9         1933    1912    1833    1756    1680    1605    1528    1452
TTD          736     717     699     684     674     665     656     648
WAS/WAP   0.0311  0.0304  0.0297  0.0290  0.0283  0.0277  0.0272  0.0267
VENG        1971    1932    1893    1854    1815    1775    1733    1691
VDUCT       1213    1197    1182    1170    1161    1153    1146    1135
AJCDE       5.21    5.20    5.21    5.20    5.20    5.20    5.21    5.21
AJCDD       3.34    3.64    4.01    4.27    4.27    4.27    4.27    4.27

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ALT        15000   WASIZE      640   PT2/PT2P  1.000    WBL3        0.
MO          0.80   PAM         8.3   PT2        12.6    WBL4        0.
VA KTS       501   TAM         465   TT2         525    HPEXT    500.0

PART PWR

FNT         7415    6139    4780    3634    2505    1442     942
FGT        18591   16659   14639   13383   11359    9594    8720
WAT          425     404     383     360     337     310     296
WFT         8022    6983    5878    4459    4118    3309    2935
TSFC       1.081   1.140   1.230   1.374   1.644   2.295   3.117
BPR         1.86    1.91    1.94    1.99    2.02    2.14    2.20
WAT2         497     472     447     421     394     362     348

N1          4579    4395    4221    4023    3756    3413    3207
N2          6754    6547    6353    6162    5982    5727    5544
PT30        22.7    21.6    20.4    19.3    17.9    16.6    15.9
PT4         81.4    74.3    67.7    61.2    54.7    47.0    43.2
TT30         639     629     617     608     596     583     576
TT4          944     918     893     866     837     800     780

PT9         14.3    13.2    12.3    11.5    10.9    10.2     9.9
PTD         21.4    20.4    19.2    18.1    16.8    15.6    15.0
TT9         1378    1307    1240    1176    1116    1069    1041
TTD          640     630     617     608     596     583     576
WAS/WAP   0.0262  0.0256  0.0251  0.0247  0.0242  0.0237  0.0234
VENG        1555    1403    1265    1131    1003     862     794
VDUCT       1131    1123    1113    1103    1092    1076    1036
AJCDE       5.23    5.20    5.20    5.21    5.20    5.20    5.20
AJCDD       4.27    4.27    4.27    4.27    4.27    4.27    4.27

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ALT        15000   WASIZE      640   PT2/PT2P  1.000    WBL3        0.
MO          0.90   PAM         8.3   PT2        14.0    WBL4        0.
VA KTS       564   TAM         465   TT2         541    HPEXT    500.0

PART PWR

FNT        21832   20090   18233   16051   13816   11583   10391    9502
FGT        39115   37376   35618   32775   29728   27230   25547   22970
WAT          594     584     564     545     538     515     495     476
WFT        22639   20600   18670   16484   14333   12147   11073    9713
TSFC       1.037   1.025   1.024   1.027   1.037   1.049   1.066   1.091
BPR         1.37    1.44    1.52    1.62    1.70    1.75    1.79    1.83
WAT2         629     625     625     605     575     551     530     509

N1          5857    5785    5720    5480    5189    5006    4880    4727
N2          7991    7976    7769    7631    7479    7310    7138    6965
PT30        36.8    34.2    31.6    30.1    28.9    27.9    26.8    25.8
PT4        160.1   152.3   144.7   132.3   117.7   110.1   102.1    94.7
TT30         749     729     711     698     689     680     671     664
TT4         1197    1137    1119    1084    1057    1032    1008     985

PT9         29.0    27.5    26.0    23.6    21.3    19.5    18.0    16.6
PTD         35.4    32.6    29.8    28.3    27.2    26.2    25.2    24.3
TT9         1990    1911    1832    1756    1681    1604    1528    1451
TTD          749     729     711     698     689     680     672     664
WAS/WAP   0.0307  0.0299  0.0292  0.0285  0.0280  0.0274  0.0269  0.0264
VENG        1977    1932    1895    1854    1816    1775    1733    1691
VDUCT       1223    1207    1192    1182    1174    1166    1159    1153
AJCDE       5.21    5.21    5.21    5.21    5.20    5.21    5.21    5.21
AJCDD       3.41    3.74    4.12    4.27    4.27    4.27    4.27    4.27

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ALT        15000   WASIZE      640   PT2/PT2P  1.000    WBL3        0.
MO          0.90   PAM         8.3   PT2        14.0    WBL4        0.
VA KTS       564   TAM         465   TT2         541    HPEXT    500.0

PART PWR

FNT         7461    6104    4827    3643    2544    2029
FGT        20763   19005   17115   15274   13485   12624
WAT          456     436     415     393     370     358
WFT         8438    7276    6220    5255    4376    3970
TSFC       1.131   1.192   1.289   1.442   1.720   1.957
BPR         1.87    1.92    1.96    2.00    2.04    2.07
WAT2         488     466     444     421     396     383

N1          4576    4421    4264    4081    3918    3702
N2          6774    6583    6392    6209    6037    5547
PT30        24.8    23.7    22.6    21.3    20.1    19.4
PT4         87.2    80.1    73.3    66.4    59.8    56.5
TT30         655     646     637     627     616     610
TT4          961     936     912     884     858     843

PT9         15.2    14.0    13.0    12.1    11.4    11.0
PTD         23.3    22.3    21.2    20.1    18.9    18.3
TT9         1376    1303    1233    1168    1104    1076
TTD          656     646     636     627     616     610
WAS/WAP   0.0259  0.0254  0.0245  0.0244  0.0240  0.0237
VENG        1631    1482    1339    1200    1073    1006
VDUCT       1144    1137    1128    1120    1110    1109
AJCDE       5.23    5.19    5.23    5.21    5.20    5.20
AJCDD       4.27    4.27    4.27    4.27    4.27    4.27

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ALT         35150     WASIZE       640     PT2/PT2P   1.000     WBL3        0.
MC          0.60      PAM          3.3     PT2          4.2     WBL4        0.
VA KTS      344       TAM          395     TT2          418     HPEXT     500.0

PART PWR

FNT          9372      8402      7763      7109      6294      5178      4211      3447
FGT         12841     12420     11657     10741      9958      8820      7447      6459
WAT           217       217       217       217       204       191       176       167
WFT          7761      7367      6673      6052      5375      4431      3719      3149
TSFC        0.835     0.877     0.851     0.852     0.847     0.856     0.873     0.917
BPR          1.42      1.45      1.51      1.54      1.59      1.76      1.85      1.97
WAT2          694       694       694       671       643       601       561       526

N1           5877      5926      5791      5577      5235      4913      4649      4281
N2           7256      7167      7053      6918      6772      6594      6276      6138
PT30         12.5      11.6      10.9      10.0       9.6       9.2       8.7       8.2
PT4          55.8      51.7      51.3      48.7      44.8      39.6      33.8      30.1
TT30          630       591       575       564       555       543       533       522
TT4           971       953       936       914       887       850       816       787

PT9          11.1       9.7       9.2       8.7       8.0       6.9       6.0       5.4
PTO          12.9      11.1      10.0       9.4       9.0       8.6       8.2       7.7
TT9          1831      1755      1676      1597      1522      1449      1375      1309
TTO           629       581       575       564       555       544       533       521
WAS/WAP    0.0327    0.0319    0.0311    0.0305    0.0298    0.0289    0.0282    0.0275
VENG         1933      1856      1813      1772      1730      1689      1625      1444
VDUCT        1133      1049      1073      1063      1054      1044      1033      1022
AJCDE        5.21      5.21      5.21      5.20      5.21      5.21      5.21      5.20
AJCDO        3.40      3.69      4.10      4.27      4.27      4.27      4.27      4.27

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ALT         35150     WASIZE       640     PT2/PT2P   1.000     WBL3        0.
MC          0.80      PAM          3.3     PT2          5.0     WBL4        0.
VA KTS      459       TAM          390     TT2          440     HPEXT     500.0

PART PWR

FNT          9801      9151      8381      7619      6965      5395      4526      3787
FGT         15932     15203     14433     13475     12133     10801      9417      8474
WAT           253       253       251       247       231       216       204       194
WFT          9215      8524      7762      6986      6012      5022      4268      3702
TSFC        0.940     0.932     0.924     0.915     0.916     0.931     0.952     0.978
BPR          1.42      1.48      1.52      1.56      1.63      1.76      1.85      1.95
WAT2          685       685       683       655       626       581       552       526

N1           6203      5966      5852      5567      5176      4791      4545      4388
N2           7397      7374      7183      7061      6926      6712      6500      6301
PT30         14.1      13.0      12.5      11.7      11.2      10.7      10.2       9.7
PT4          65.2      62.6      59.5      56.3      50.6      43.0      39.2      35.7
TT30          626       615       597       588       578       566       557       545
TT4          1038       991       971       947       916       878       849       824

PT9          11.9      11.5      10.9      10.1       9.0       7.8       7.0       6.3
PTO          13.5      12.3      11.5      11.0      10.5      10.1       9.6       9.1
TT9          1857      1779      1700      1623      1558      1476      1400      1326
TTO           626       615       597       585       575       567       557       545
WAS/WAP    0.0321    0.0314    0.0307    0.0301    0.0293    0.0285    0.0278    0.0272
VENG         1905      1866      1825      1785      1744      1704      1661      1617
VDUCT        1120      1105      1093      1086      1076      1065      1056      1048
AJCDE        5.21      5.21      5.21      5.21      5.20      5.20      5.19      5.21
AJCDO        3.60      3.96      4.27      4.27      4.27      4.27      4.27      4.27

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ALT         35150     WASIZE       640     PT2/PT2P   1.000     WBL3        0.
MC          0.80      PAM          3.3     PT2          5.0     WBL4        0.
VA KTS      459       TAM          390     TT2          440     HPEXT     500.0

PART PWR

FNT          3035      2392
FGT          7432      6505
WAT           183       171
WFT          3125      2642
TSFC        1.031     1.105
BPR          1.78      2.04
WAT2          496       461

N1           4198      3993
N2           6095      5866
PT30          9.2       8.6
PT4          31.5      29.4
TT30          535       529
TT4           797       765

PT9           5.8       5.1
PTO           8.8       8.1
TT9          1251      1183
TTO           539       530
WAS/WAP    0.0264    0.0260
VENG         1449      1302
VDUCT        1039      1030
AJCDE        5.21      5.21
AJCDO        4.27      4.27

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ALT         35150     WASIZE       640     PT2/PT2P   1.000     WBL3        0.
MO          0.90      PAM          3.3     PT2          5.6     WBL4        0.
VA KTS      516       TAM          390     TT2          453     HPEXT     500.0

PART PWR

FNT         11468     10817     10085      9296      8528      7509      6263      5224
FGT         18956     18314     17583     16777     15810     14482     12813     11390
WAT           277       277       277       276       269       257       242       228
WFT         11321     10512      9718      8895      8073      7092      5969      5078
TSFC        0.987     0.972     0.964     0.957     0.947     0.944     0.953     0.972
BPR          1.37      1.41      1.45      1.50      1.52      1.58      1.71      1.81
WAT2          685       685       685       683       665       637       598       563

N1           6127      6085      6047      5990      5714      5370      4963      4656
N2           7620      7529      7438      7333      7212      7071      6891      6693
PT30         15.8      15.9      14.6      13.4      13.0      12.6      12.0      11.4
PT4          75.3      72.9      70.1      67.2      63.7      58.3      50.9      45.2
TT30          663       648       631       616       608       598       587       577
TT4          1056      1039      1022      1004       981       953       916       884

PT9          13.8      13.3      12.7      12.1      11.4      10.4       9.1       8.0
PTO          15.2      15.2      13.9      12.6      12.3      11.8      11.3      10.8
TT9          1998      1918      1839      1761      1683      1606      1532      1459
TTO           663       648       631       616       608       598       587       577
WAS/WAP    0.0329    0.0322    0.0315    0.0308    0.0302    0.0295    0.0287    0.0280
VENG         1974      1935      1896      1857      1816      1776      1736      1695
VDUCT        1151      1139      1124      1111      1104      1095      1084      1076
AJCDE        5.21      5.21      5.21      5.20      5.21      5.21      5.21      5.20
AJCDO        3.32      3.54      3.87      4.27      4.27      4.27      4.27      4.27

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ALT         35150     WASIZE       640     PT2/PT2P   1.000     WBL3        0.
MO          0.90      PAM          3.3     PT2          5.6     WBL4        0.
VA KTS      516       TAM          390     TT2          453     HPEXT     500.0

PART PWR

FNT          4437      3678      2972      2363
FGT         10311      9250      8252      7366
WAT           217       206       195       185
WFT          4396      3777      3210      2733
TSFC        0.991     1.027     1.080     1.157
BPR          1.87      1.92      1.99      2.04
WAT2          537       509       482       457

N1           4515      4351      4180      4016
N2           6495      6288      6066      5879
PT30         10.9      10.4       9.9       9.4
PT4          41.2      37.4      33.7      30.5
TT30          568       560       551       542
TT4           859       833       808       782

PT9           7.3       6.6       5.9       5.4
PTO          10.3       9.8       9.3       8.8
TT9          1382      1307      1233      1161
TTO           568       559       550       542
WAS/WAP    0.0274    0.0268    0.0262    0.0256
VENG         1651      1607      1518      1359
VDUCT        1066      1058      1049      1042
AJCDE        5.21      5.20      5.19      5.21
AJCDO        4.27      4.27      4.27      4.27

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INITIAL PRODUCTION ENGINE

Page	TAMB	Power Setting	Flow Schedule
B-D122	STD. Day	Take-Off	Base
	STD. Day	Max Thrust	Base
to	STD. Day	Cruise	Base
	STD. Day	Cruise	High
	STD. Day	Cruise	Low
B-D124	STD. Day	Part Power	Base

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ALT            0    WASIZE       640    PT2/PT2P  1.000    WBL3         0.
PO            0.    PAP         14.7    PT2        14.7    WBL4         0.
VA KTS         0    TAP          519    TT2         519    HPEXT        0.

TAKE OFF MAX C/H                                           MIN C/H NOT LIT

FNT        51501    48241    46708    45114    43455    41695    37057    31483
FGT        51501    48241    46708    45114    43455    41695    37057    31483
WAT          640      640      640      640      640      640      640      640
WFT        96410    77013    69166    61849    55174    48827    35051    21642
TSFC       1.872    1.596    1.481    1.371    1.270    1.171    0.946    0.687
BPR         1.30     1.30     1.30     1.30     1.30     1.30     1.30     1.29
WAT2         640      640      640      640      640      640      640      640

N1          5907     5907     5907     5907     5907     5907     5907     5558
N2          7990     7990     7990     7990     7990     7990     7990     8004
PT30        39.7     39.7     39.7     39.7     39.7     39.7     39.7     41.6
PT4        174.7    174.7    174.7    174.7    174.7    174.7    174.7    181.4
TT30         726      726      726      726      726      726      726      740
TT4         1128     1128     1128     1128     1128     1128     1128     1143

PT9         24.7     24.7     24.7     24.7     24.7     24.7     24.7     25.5
PTD         35.4     36.0     36.3     36.6     36.9     37.1     37.6     40.2
TT9         1670     1670     1670     1670     1670     1670     1670     1668
TTD         3560     3000     2750     2500     2250     2000     1408      740
WAS/WAP   0.0460   0.0432   0.0419   0.0406   0.0393   0.0378   0.0343   0.0297
VENG        1675     1675     1675     1675     1675     1675     1675     1722
VOLCT       2617     2407     2307     2203     2053     1976     1687     1216
AJCDE       6.10     6.10     6.10     6.10     6.10     6.10     6.10     6.10
AJCDO       8.93     7.90     7.45     6.95     6.54     6.08     4.94     3.19

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ALT            0    WASIZE       640    PT2/PT2P  1.000    WBL3         0.
PO          0.20    PAP         14.7    PT2        15.1    WBL4         0.
VA KTS       132    TAP          519    TT2         523    HPEXT        0.

TAKE OFF MAX C/H                                           MIN C/H NOT LIT

FNT        48617    45238    43651    42002    40288    38466    33705    27561
FGT        53145    49766    48180    46570    44814    42554    38233    32489
WAT          653      653      653      653      653      653      653      653
WFT        94072    75111    67437    60279    53751    47543    34148    21036
TSFC       1.935    1.660    1.545    1.435    1.334    1.236    1.013    0.752
BPR         1.31     1.31     1.31     1.31     1.31     1.31     1.31     1.29
WAT2         637      637      637      637      637      637      637      637

N1          5898     5898     5898     5898     5898     5898     5898     5550
N2          7559     7559     7559     7559     7559     7559     7559     8013
PT30        40.5     40.5     40.5     40.5     40.5     40.5     40.5     42.5
PT4        177.7    177.7    177.7    177.7    177.7    177.7    177.7    184.7
TT30         730      730      730      730      730      730      730      744
TT4         1133     1133     1133     1133     1133     1133     1133     1148

PT9         25.1     25.1     25.1     25.1     25.1     25.1     25.1     26.0
PTD         36.1     36.8     37.1     37.4     37.6     37.9     38.4     41.0
TT9         1669     1669     1669     1669     1669     1669     1669     1667
TTD         3560     3000     2750     2500     2250     2000     1411      744
WAS/WAP   0.0458   0.0431   0.0418   0.0405   0.0391   0.0377   0.0341   0.0296
VENG        1697     1697     1697     1697     1697     1697     1697     1745
VOLCT       2617     2407     2307     2203     2053     1976     1665     1219
AJCDE       6.10     6.10     6.10     6.10     6.10     6.10     6.10     6.10
AJCDO       8.93     7.90     7.45     6.99     6.54     6.08     4.95     3.20

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ALT            0    WASIZE       640    PT2/PT2P  1.000    WBL3         0.
PO          0.40    PAP         14.7    PT2        16.4    WBL4         0.
VA KTS       265    TAP          519    TT2         535    HPEXT        0.

TAKE OFF MAX C/H                                           MIN C/H NOT LIT

FNT        48518    44789    43041    41225    39335    37340    32204    25947
FGT        58108    55279    52631    50815    48529    46530    41794    35537
WAT          691      691      691      691      691      691      691      691
WFT        98955    78890    70759    63169    56250    49669    35676    21797
TSFC       2.040    1.761    1.644    1.532    1.430    1.330    1.108    0.840
BPR         1.33     1.33     1.33     1.33     1.33     1.33     1.33     1.31
WAT2         629      629      629      629      629      629      629      629

N1          5866     5866     5866     5866     5866     5866     5866     5923
N2          8023     8023     8023     8023     8023     8023     8023     8044
PT30        42.9     42.9     42.9     42.9     42.9     42.9     42.9     45.1
PT4        186.4    186.4    186.4    186.4    186.4    186.4    186.4    194.3
TT30         740      740      740      740      740      740      740      754
TT4         1144     1144     1144     1144     1144     1144     1144     1160

PT9         26.2     26.2     26.2     26.2     26.2     26.2     26.2     27.2
PTD         38.2     38.9     39.2     39.5     39.8     40.1     40.6     43.5
TT9         1667     1667     1667     1667     1667     1667     1667     1665
TTD         3560     3000     2750     2500     2250     2000     1420      754
WAS/WAP   0.0453   0.0426   0.0413   0.0400   0.0387   0.0373   0.0338   0.0293
VENG        1760     1760     1760     1760     1760     1760     1760     1807
VOLCT       2617     2407     2308     2203     2053     1976     1674     1228
AJCDE       6.09     6.09     6.09     6.09     6.09     6.09     6.09     6.11
AJCDO       9.00     7.96     7.51     7.05     6.59     6.13     5.00     3.23

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ALT        45000    WASIZE       640    PT2/PT2P  0.991    WBL3         0.
PO          1.20    PAP          2.1    PT2         5.2    WBL4         0.
VA KTS       688    TAP          390    TT2         502    HPEXT        0.

MAXTHR    MAX C/H                                          MIN C/H NOT LIT

FNT        18040    16305    15502    14675    13820    12923    10505     7533
FGT        26440    24705    23502    23075    22221    21324    18906    15933
WAT          233      233      233      233      233      233      233      233
WFT        33878    27053    24302    21742    19398    17173    12191     7479
TSFC       1.878    1.659    1.548    1.482    1.404    1.329    1.160    0.993
BPR         1.34     1.34     1.34     1.34     1.34     1.34     1.34     1.33
WAT2         651      651      651      651      651      651      651      651

N1          5938     5938     5938     5938     5938     5938     5938     5977
N2          7874     7874     7874     7874     7874     7874     7874     7888
PT30        13.9     13.9     13.9     13.9     13.9     13.9     13.9     14.6
PT4         62.4     62.4     62.4     62.4     62.4     62.4     62.4     64.7
TT30         704      704      704      704      704      704      704      716
TT4         1106     1106     1106     1106     1106     1106     1106     1170

PT9          8.8      8.8      8.8      8.8      8.8      8.8      8.8      9.1
PTD         12.3     12.5     12.7     12.8     12.9     13.0     13.2     14.1
TT9         1677     1677     1677     1677     1677     1677     1677     1676
TTD         3560     3000     2750     2500     2250     2000     1288      716
WAS/WAP   0.0468   0.0440   0.0427   0.0413   0.0399   0.0385   0.0347   0.0300
VENG        1813     1813     1813     1813     1813     1813     1813     1813
VOLCT       2617     2407     2307     2203     2053     1976     1655     1197
AJCDE       6.10     6.10     6.10     6.10     6.10     6.10     6.10     6.11
AJCDO       9.45     8.35     7.86     7.38     6.89     6.40     5.15     3.30

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ALT        45000    WASIZE       640    PT2/PT2P  0.971    WBL3         0.
PO          1.50    PAP          2.1    PT2         7.7    WBL4         0.
VA KTS       860    TAP          390    TT2         566    HPEXT        0.

MAXTHR    MAX C/H                                          MIN C/H NOT LIT

FNT        22996    20504    19351    18165    16942    15658    12453     8308
FGT        36688    34195    33042    31858    30823    29349    26144    21599
WAT          303      303      303      303      303      303      303      303
WFT        44135    34962    31241    27765    24597    21584    15268     8876
TSFC       1.919    1.705    1.614    1.528    1.452    1.379    1.226    1.068
BPR         1.48     1.48     1.48     1.48     1.48     1.48     1.48     1.45
WAT2         608      608      608      608      608      608      608      608

N1          5724     5724     5724     5724     5724     5724     5724     5771
N2          8016     8016     8016     8016     8016     8016     8016     8038
PT30        17.9     17.9     17.9     17.9     17.9     17.9     17.9     18.7
PT4         77.0     77.0     77.0     77.0     77.0     77.0     77.0     80.2
TT30         750      750      750      750      750      750      750      762
TT4         1162     1162     1162     1162     1162     1162     1162     1178

PT9         10.8     10.8     10.8     10.8     10.8     10.8     10.8     11.3
PTD         15.5     15.8     16.0     16.1     16.3     16.4     16.7     17.9
TT9         1676     1676     1676     1676     1676     1676     1676     1675
TTD         3560     3000     2750     2500     2250     2000     1429      762
WAS/WAP   0.0445   0.0418   0.0405   0.0392   0.0378   0.0364   0.0329   0.0283
VENG        1813     1813     1813     1813     1813     1813     1813     1812
VOLCT       2617     2407     2308     2203     2053     1976     1679     1234
AJCDE       6.09     6.09     6.09     6.09     6.09     6.09     6.09     6.10
AJCDO      10.18     8.98     8.45     7.92     7.39     6.86     5.60     3.63

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ALT        45000    WASIZE       640    PT2/PT2P  0.945    WBL3         0.
PO          1.80    PAP          2.1    PT2        11.7    WBL4         0.
VA KTS      1032    TAP          390    TT2         643    HPEXT        0.

MAXTHR    MAX C/H                                          MIN C/H NOT LIT

FNT        29414    25807    24145    22441    20675    18833    14728     8884
FGT        50827    47220    45558    43854    42052    40246    36141    30297
WAT          395      395      395      395      395      395      395      395
WFT        57284    44821    39813    35119    30885    26806    19065    10304
TSFC       1.948    1.737    1.649    1.565    1.494    1.423    1.294    1.160
BPR         1.65     1.65     1.65     1.65     1.65     1.65     1.65     1.43
WAT2         555      555      555      555      555      555      555      555

N1          5504     5504     5504     5504     5504     5504     5504     5543
N2          8147     8147     8147     8147     8147     8147     8147     8178
PT30        23.8     23.8     23.8     23.8     23.8     23.8     23.8     24.8
PT4         94.1     94.1     94.1     94.1     94.1     94.1     94.1     97.8
TT30         814      814      814      814      814      814      814      824
TT4         1225     1225     1225     1225     1225     1225     1225     1240

PT9         13.2     13.2     13.2     13.2     13.2     13.2     13.2     13.7
PTD         20.5     20.9     21.1     21.3     21.5     21.7     22.0     23.4
TT9         1676     1676     1676     1676     1676     1676     1676     1675
TTD         3560     3000     2750     2500     2250     2000     1487      824
WAS/WAP   0.0421   0.0394   0.0382   0.0369   0.0356   0.0342   0.0311   0.0267
VENG        1813     1813     1813     1813     1813     1813     1813     1812
VOLCT       2617     2408     2308     2203     2053     1976     1711     1283
AJCDE       6.10     6.10     6.10     6.10     6.10     6.10     6.10     6.11
AJCDO      10.44     9.20     8.66     8.11     7.57     7.03     5.88     3.93

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ALT        45000   MASIZE       440   PT2/PT2P  0.973   WBL3      0.
MO          2.70   PAF          2.1   PT2        15.4   WBL4      0.
VA KTS      1547   TAF          390   TT2         702   HPEXT     0.

PARTPWR   MAX D/B                                       MIN D/B NOT LIT

FNF        34345   29412   27733   25815   23411   21104   16515    9352
FGT        62172   58041   55967   53829   51638   48316   44733   37567
WAT          469     469     469     469     469     469     469     469
WFT        64741   51925   45963   40355   35247   30420   22040   11435
TSFC       1.845   1.761   1.655   1.572   1.507   1.441   1.334   1.227
BPR         1.70    1.70    1.70    1.70    1.70    1.70    1.70    1.67
WAT2         515     515     515     515     515     515     515     515

N1          5458    5458    5458    5458    5458    5458    5458    5456
N2          8184    8184    8184    8184    8184    8184    8184    8217
PT3D        29.7    29.7    29.7    29.7    29.7    29.7    29.7    32.7
PT4        110.1   110.1   110.1   110.1   110.1   110.1   110.1   113.9
TT3D         870     870     870     870     870     870     870     878
TT4         1278    1278    1278    1278    1278    1278    1278    1295

PT9         15.4    15.4    15.4    15.4    15.4    15.4    15.4    15.8
PTD         25.9    26.4    26.6    26.8    27.1    27.2    27.6    29.2
TT9         1675    1675    1675    1675    1675    1675    1675    1679
TTD         3380    3000    2750    2500    2250    2000    1537     878
WAS/WAP   0.0404  0.0378  0.0366  0.0354  0.0341  0.0327  0.0301  0.0279
VENG        1813    1813    1813    1813    1813    1813    1813    1812
VDUCT       2617    2408    2305    2205    2093    1976    1739    1374
AJCDE       6.10    6.10    6.10    6.10    6.10    6.10    6.10    6.10
AJCDD       9.48    8.73    8.27    7.71    7.21    6.70    5.72    3.92

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MO          2.70   PAN          0.8   PT2        14.8   WBL4      0.

FGT        45651   42307   40487   39038   37340   35376   33719   25487
WPT        40958   35383   28507   22626   19198   15581   12238    5439
BPR         1.85    1.85    1.85    1.85    1.85    1.85    1.85    1.84

N2          8065    8065    8065    8065    8065    8065    8065    8054
PT4         68.9    68.9    68.9    68.3    68.9    68.9    69.9    73.3
TT4         1477    1477    1477    1477    1477    1477    1477    1451

PT9          9.4     9.4     9.4     9.6     9.4     9.4     9.4     9.7
TT9         1606    1606    1606    1606    1606    1606    1605    1605
WAS/WAP   0.0347  0.0324  0.0314  0.0302  0.0291  0.0279  0.0267  0.0235
VDUCT       2618    2404    2303    2204    2093    1977    1852    1455
AJCDD       7.64    6.82    6.45    6.09    5.79    5.35    4.92    5.65

                            OCT  8, 1964
```

```
MO          2.70   PAN          0.8   PT2        14.3   WBL4      0.

FGT        44671   44667   43147   41377   39554   37650   35578   30138
WPT        43548   34693   28835   24327   20552   20093   15305    5409
BPR         1.99    1.98    1.98    1.98    1.98    1.99    1.92    1.97

N2          8052    8062    8062    8062    8062    8062    8062    8052
PT4         69.7    69.7    69.7    69.7    69.7    69.7    69.7    72.1
TT4         1481    1481    1481    1481    1481    1481    1481    1455

PT9          9.5     9.8     9.5     9.8     9.8     9.5     9.8     9.8
TT9         1604    1604    1604    1604    1604    1604    1604    1603
WAS/WAP   0.0349  0.0324  0.0311  0.0304  0.0293  0.0283  0.0260  0.0231
VDUCT       2618    2408    2308    2204    2093    1977    1857    1478
AJCDD       8.08    7.80    7.36    6.93    6.47    6.04    5.25    4.69

                            OCT  9, 1964
```

```
MO          2.70   PAN          0.8   PT2        14.3   WBL4      0.

FGT        42174   38976   37516   36032   34505   32919   31353   26868
WPT        33544   27442   23825   20943   17479   14956   12421    8421
BPR         1.65    1.65    1.65    1.65    1.65    1.65    1.65    1.64

N2          8067    8067    8067    8067    8067    8067    8067    8052
PT4         68.6    68.6    68.6    68.6    68.6    68.6    68.6    72.1
TT4         1475    1475    1475    1475    1475    1475    1473    1450

PT9          9.4     9.4     9.4     9.4     9.4     9.4     9.4     9.7
TT9         1607    1607    1607    1607    1607    1607    1607    1605
WAS/WAP   0.0344  0.0322  0.0312  0.0301  0.0290  0.0279  0.0267  0.0234
VDUCT       2618    2408    2308    2204    2094    1977    1861    1498
AJCDD       6.36    5.69    5.30    5.80    4.79    4.48    4.94    5.01

                            OCT  8, 1964
```

```
ALT        15000   MASIZE       440   PT2/PT2P  0.964   WBL3      0.
MO          0.60   PAN         9.59   PT2        9.70   WBL4      0.
VA KTS       315   TAN          465   TT2         489   HPEXT     0.

PART PWR

FNF        17803   16116   14839   13424   11653    9487    7640    4876
FGF        24691   23503   22726   20812   18700   16824   13815   11050
WAT          490     470     450     450     434     403     375     343
WFT       14081.  13575.  12318.  11994.   9674.   8017.   6767.   5782.
TSFC       0.839   0.842   0.830   0.826   0.830   0.852   0.885   0.939
BPR         1.33    1.33    1.34    1.44    1.36    1.42    1.47    1.49
WAT2         641     601     561     651     637     592     552     512

N1          6029    5963    5911    5840    5552    5075    4764    4487
N2          7953    7792    7677    7563    7431    7260    7102    6914
PT3D       29.29   27.32   25.16   22.76   21.43   20.26   18.80   17.40
PT4       137.95  132.49  117.32  111.91  102.09   88.96   79.27   71.00
TT3D         714     694     674     654     640     625     610     596
TT4         1109    1098    1071    1052    1023     980     947     916

PT9        17.98   17.14   16.32   15.49   14.26   12.67   11.73   11.04
PTD        28.33   26.28   24.02   21.48   20.16   19.06   17.76   16.37
TT9         1669    1594    1519    1445    1376    1313    1254    1197
TTD          714     694     674     654     640     625     611     596
WAS/WAP   0.0303  0.0297  0.0290  0.0283  0.0276  0.0270  0.0264  0.0257
CDPDT     0.6625  0.7219  0.8082  0.9129  1.0504  1.3062  1.5999  2.0000
VENG        1809    1769    1728    1687    1545    1545    1195    1064
VDUCT       1195    1178    1161    1144    1132    1119    1106    1092
AJCDE       6.10    6.10    6.11    6.10    6.09    6.10    6.10    6.10
AJCDD       5.11    5.36    5.46    4.13    4.27    4.27    4.27    4.27
```

```
ALT        18000   MASIZE       440   PT2/PT2P  0.966   WBL3      0.
MO          0.50   PAN         0.30   PT2        9.70   WBL4      0.
VA KTS       315   TAN          465   TT2         489   HPEXT     0.

PART PWR

FNF         4677    4064
FGF         9071    9152
WAT          322     318
WFT        4744.   4332.
TSFC       1.014   1.066
BPR         1.73    1.75
WAT2         470     455

N1          4230    4097
N2          6678    6572
PT3D       16.03   15.36
PT4        82.92   79.53
TT3D         589     571
TT4          882     867

PT9        10.40   10.24
PTD        15.09   14.46
TT9         1149    1116
TTD          561     573
WAS/WAP   0.0254  0.0251
CDPDT     2.4000  2.9989
VENG         959     906
VDUCT       1040    1006
AJCDE       6.10    6.09
AJCDD       4.27    4.27
```

THIS DOCUMENT CONTAINS INFORMATION AFFECTING THE NATIONAL DEFENSE OF THE UNITED STATES WITHIN THE MEANING OF THE ESPIONAGE LAWS, TITLE 18, U.S.C., SECTIONS 793 AND 794, THE TRANSMISSION OR THE REVELATION OF WHICH IN ANY MANNER TO AN UNAUTHORIZED PERSON IS PROHIBITED BY LAW.

```
ALT         36150    WASIZE       640   PT2/PT2P  0.986    WBL3       0.
MN           0.80    FAN         3.28   PT2        4.94    WBL4       0.
VA KTS        459    TAN          390   TT2         440    HPEXT      0.

PART PWR

FNT          8891     8381     7734     7080     6313     5474     4462     3532
FGT         15007    14397    13750    13024    12191    11110     9769     8494
WAT           250      250      250      250      244      234      220      206
WFT         8000.    7410.    6754.    6106.    5467.    4749.    3953.    3276.
TSFC        0.899    0.884    0.873    0.871    0.865    0.868    0.886    0.927
BPR          1.31     1.35     1.39     1.44     1.46     1.50     1.62     1.71
WAT2          606      606      606      606      670      642      605      565

N1           6006     6031     5986     5948     5691     5344     4961     4610
N2           7760     7569     7435     7318     7195     7063     6890     6720
PT30        15.50    14.52    13.39    12.06    11.49    11.01    10.56     9.99
P34         68.85    66.32    63.75    61.02    57.77    53.11    46.55    40.84
TT30          654      636      618      606      590      580      568      557
TT4          1043     1023     1003      984      959      931      895      860

PT9          9.72     9.31     8.89     8.45     7.97     7.27     6.35     5.59
PTD         15.05    13.96    12.77    11.37    10.77    10.36     9.94     9.48
TT9          1625     1549     1474     1400     1327     1254     1183     1116
TTD           654      636      618      606      590      580      568      557
WAS/WAP    0.0312   0.0305   0.0298   0.0290   0.0284   0.0278   0.0270   0.0263
CDTOT      0.5984   0.6027   0.6603   0.7434   0.8199   0.9300   1.1254   1.4092
VENG         1786     1765     1703     1661     1618     1575     1531     1379
VDUCT        1144     1128     1113     1096     1087     1077     1067     1056
AJCDE        6.10     6.10     6.10     6.10     6.10     6.11     6.11     6.10
AJCDD        3.14     3.50     3.70     4.15     4.27     4.27     4.27     4.27
```

```
ALT         36150    WASIZE       640   PT2/PT2P  0.986    WBL3       0.
MN           0.80    FAN         3.28   PT2        4.94    WBL4       0.
VA KTS        459    TAN          390   TT2         440    HPEXT      0.

PART PWR

FNT          2769     2130     1507      906      498
FGT          7439     6488     5596     4781     3809
WAT           193      181      168      154      141
WFT         2738.    2280.    1886.    1543.    1255.
TSFC        0.983    1.067    1.219    1.565    2.521
BPR          1.75     1.77     1.80     1.85     1.90
WAT2          530      496      461      423      386

N1           4390     4175     3964     3686     3343
N2           6535     6351     6139     5870     5626
PT30         9.36     8.69     8.02     7.34     6.66
P34         36.60    32.95    29.17    25.56    21.99
TT30          546      534      521      507      494
TT4           832      805      776      744      711

PT9          5.10     4.74     4.44     4.16     3.96
PTD          8.80     8.17     7.55     6.90     6.77
TT9          1051      989      931      878      827
TTD           545      534      521      508      493
WAS/WAP    0.0257   0.0252   0.0246   0.0241   0.0235
CDTOT      1.7753   2.2927   3.1426   4.9077   9.6990
VENG         1226     1090      963      831      711
VDUCT        1045     1034     1021     1008      994
AJCDE        6.11     6.10     6.09     6.10     6.10
AJCDD        4.27     4.27     4.27     4.27     4.27
```

INDEX TO CURVE NO. T-1688

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1	Corrected Airflow	
2	Operating Envelope	
3	Operating Envelope	
4	Performance with Partial Duct Heating	Take-Off
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6	Performance with Partial Duct Heating	Take-Off
7	Performance with Partial Duct Heating	Take-Off
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PERFORMANCE OF INITIAL PRODUCTION ENGINE

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MISCELLANEOUS

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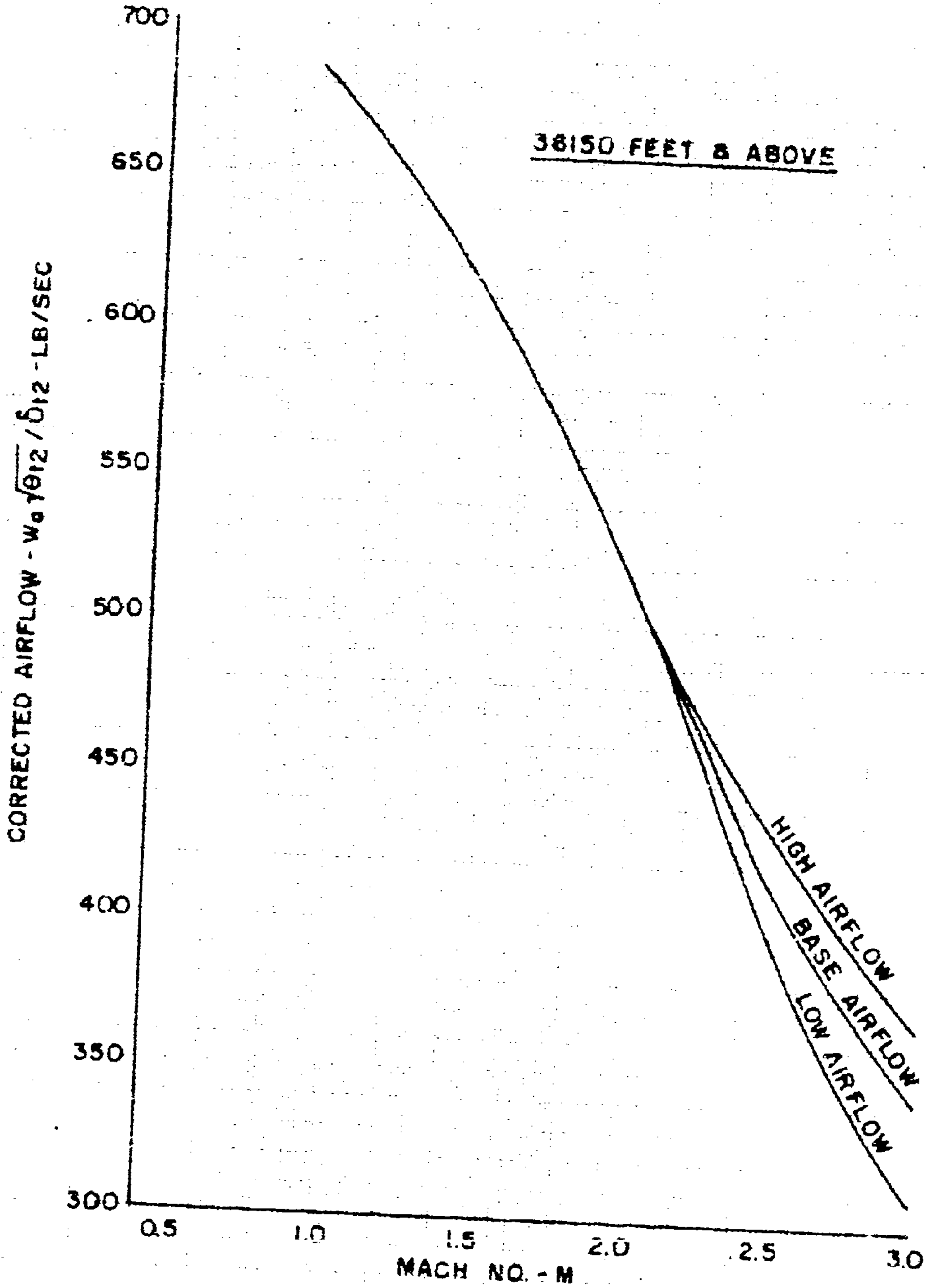
Pratt & Whitney Aircraft DIVISION OF UNITED AIRCRAFT CORPORATION

ENGINE MODEL STF 219B
ESTIMATED CORRECTED AIRFLOW

U.S. STANDARD ATMOSPHERE - 1962 (GEOM.)



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SHEET 1

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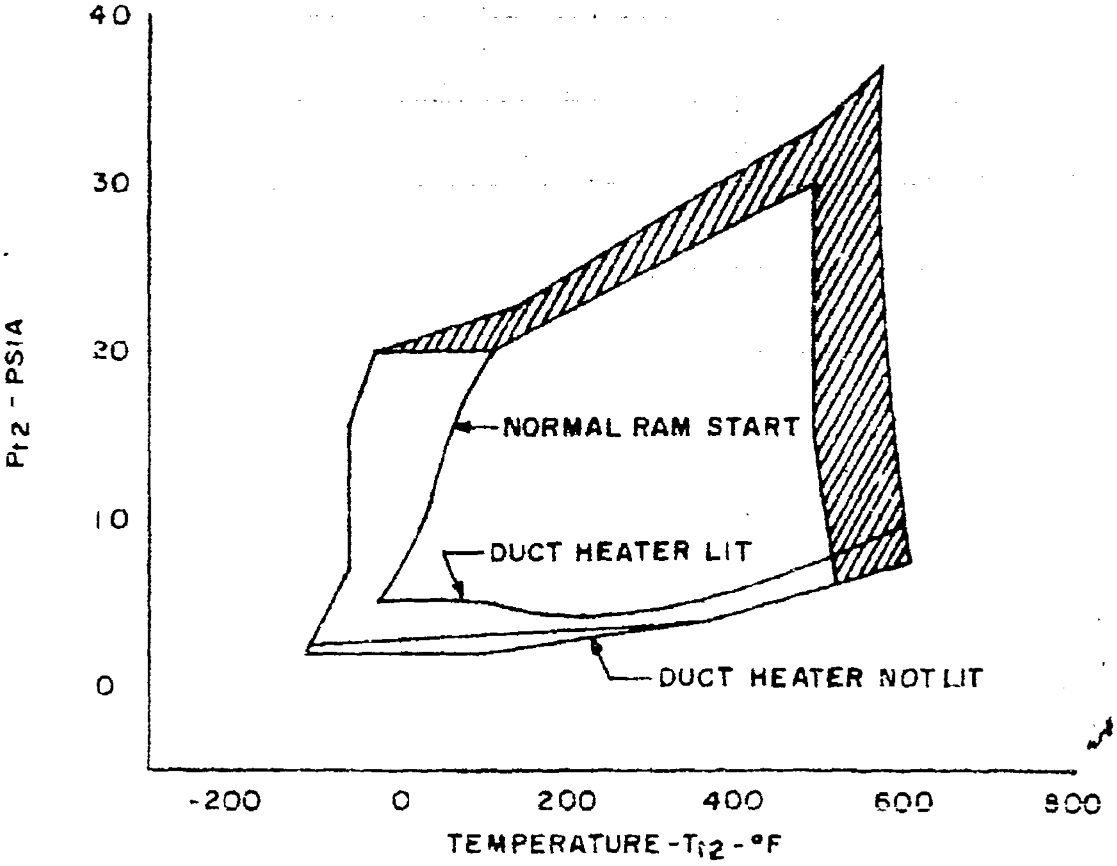
ENGINE MODEL STF 219B
ESTIMATED OPERATING ENVELOPE
INCLUDING MAXIMUM TRANSIENT MACH NUMBERS

MACH 2.7 VERSION

RAM RECOVERY PER MIL-E-5008B



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SHEET 2

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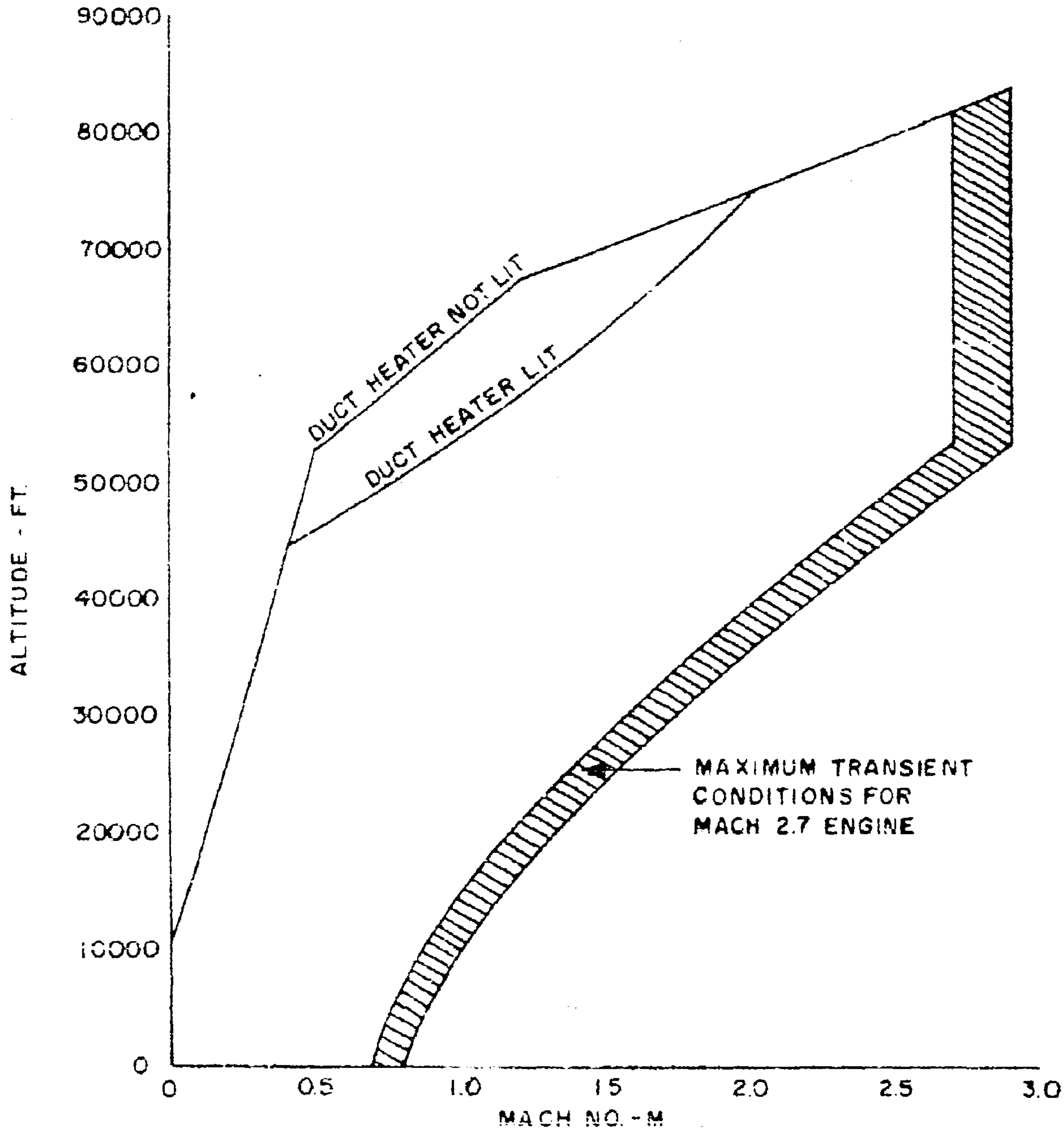
AIRCRAFT CORPORATION

ENGINE MODEL ST 9B
ESTIMATED OPERATING ENVELOPE
INCLUDING MAXIMUM TRANSIENT MACH NUMBERS

U. S. STANDARD ATMOSPHERE - 1962 (GEOM) RAM RECOVERY PER MIL-E-5008 B



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SHEET 3

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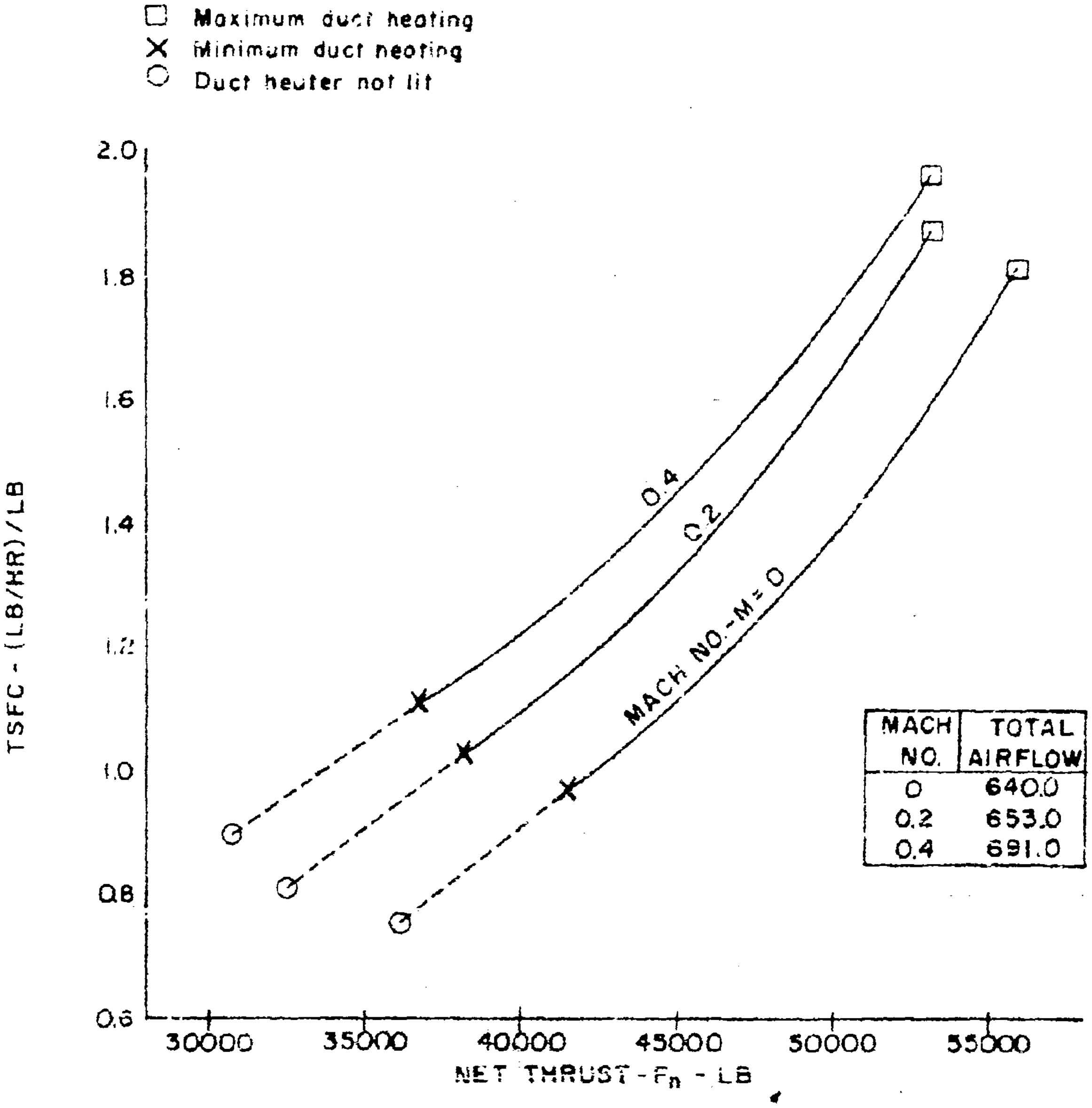
UA

ENGINE MODEL STF 219B
ESTIMATED PERFORMANCE WITH PARTIAL DUCT HEATING

SEA LEVEL
TAKE-OFF RATING
U.S. STANDARD ATMOSPHERE - 1962 (GEOM.)
RAM RECOVERY PER MIL-E-5006 B



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SHEET 4

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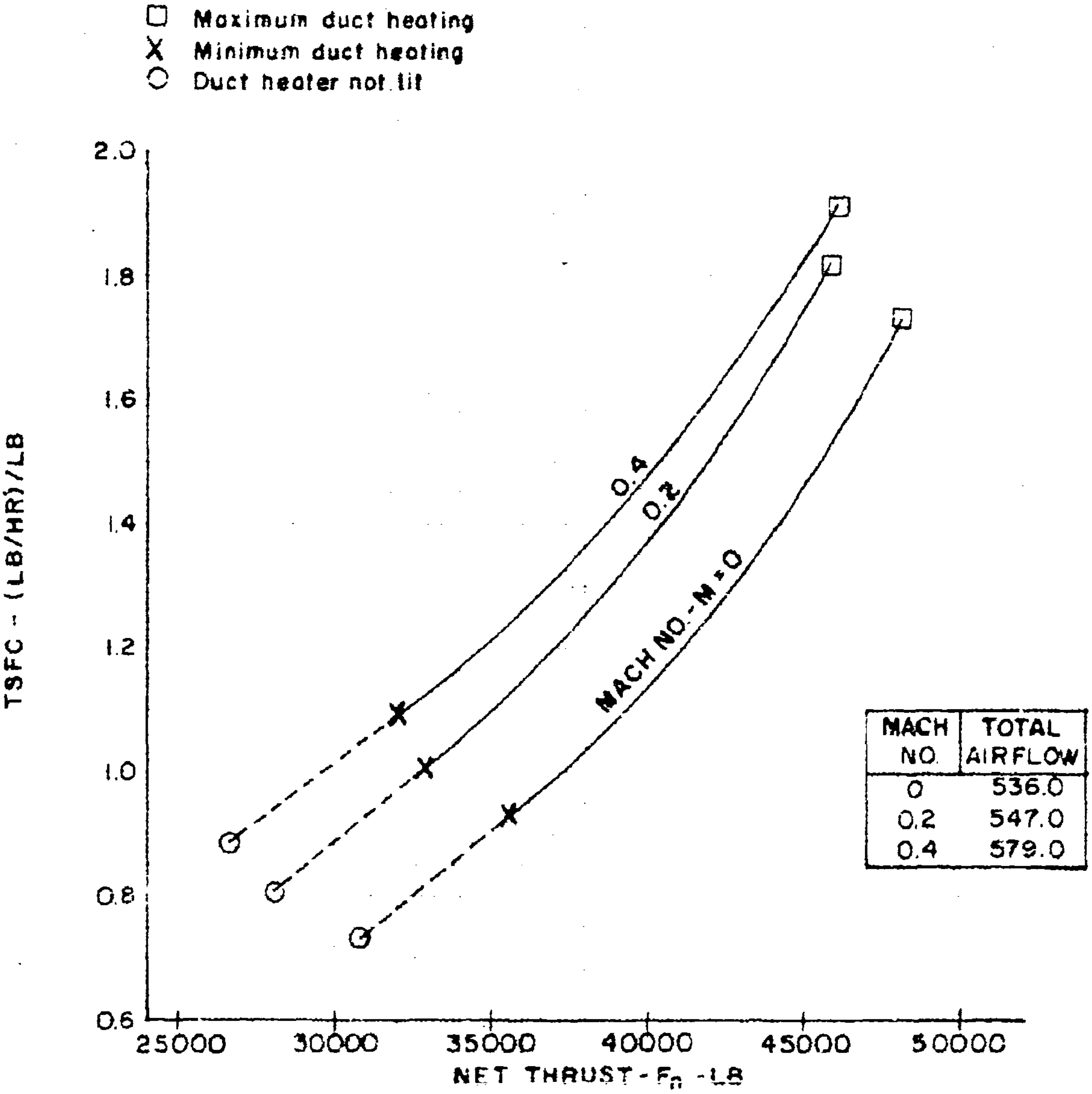
ENGINE MODEL STF 219B
ESTIMATED PERFORMANCE WITH PARTIAL DUCT HEATING

6000 FEET
U. S. STANDARD ATMOSPHERE - 1962 (GEOM.)

TAKE-OFF RATING
RAM RECOVERY PER MIL-E-5008 B



MACH NO.	TOTAL AIRFLOW
0	536.0
0.2	547.0
0.4	579.0

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CURVE NO. T-1688
SHEET 5

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Pratt & Whitney Aircraft DIVISION OF UNITED AIRCRAFT CORPORATION

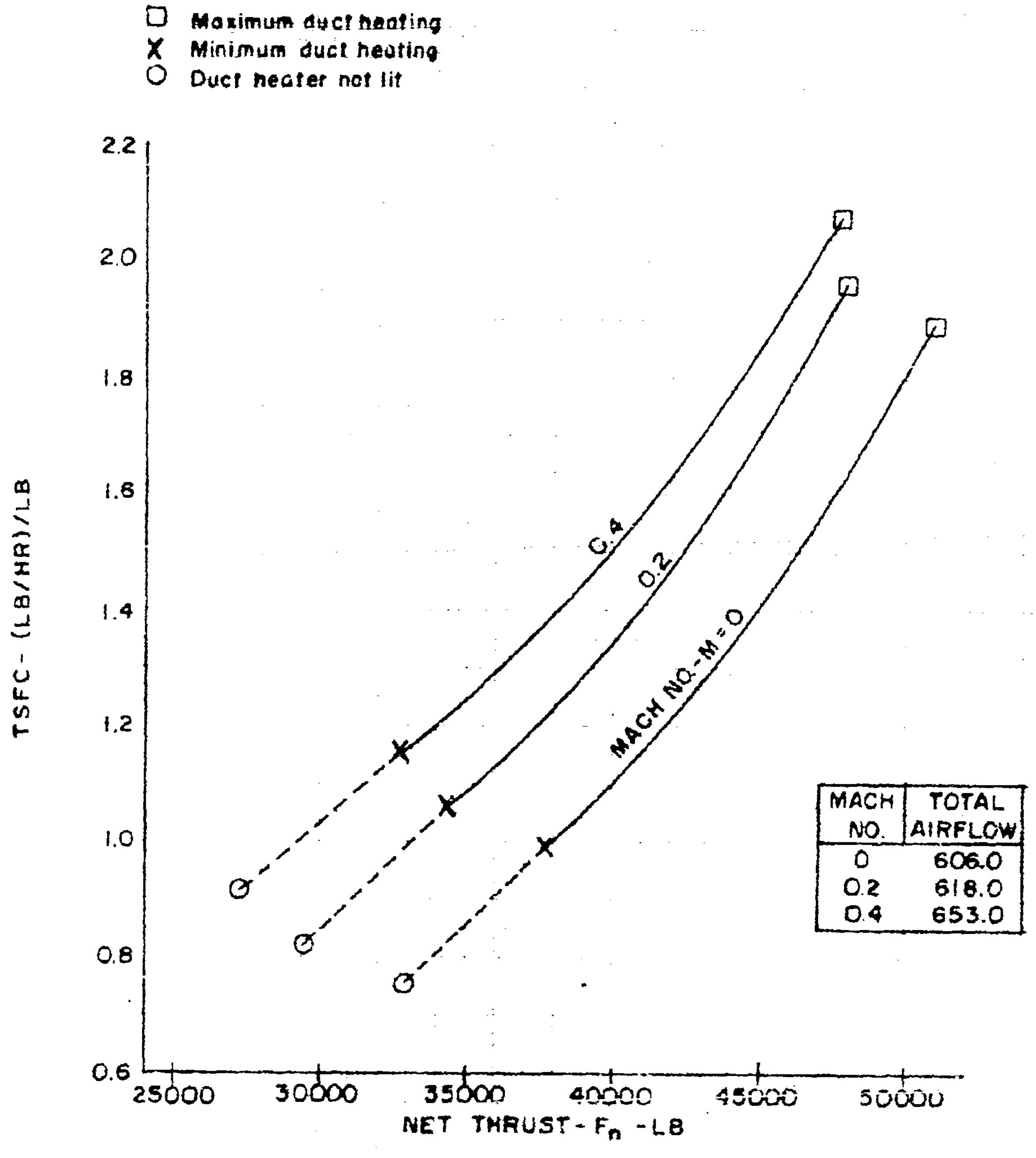
UA

ENGINE MODEL STF 219B

ESTIMATED PERFORMANCE WITH PARTIAL DUCT HEATING

SEA LEVEL
STANDARD DAY +27°

TAKE-OFF RATING
RAM RECOVERY PER MIL-E-5008 B



MACH NO.	TOTAL AIRFLOW
0	606.0
0.2	618.0
0.4	653.0

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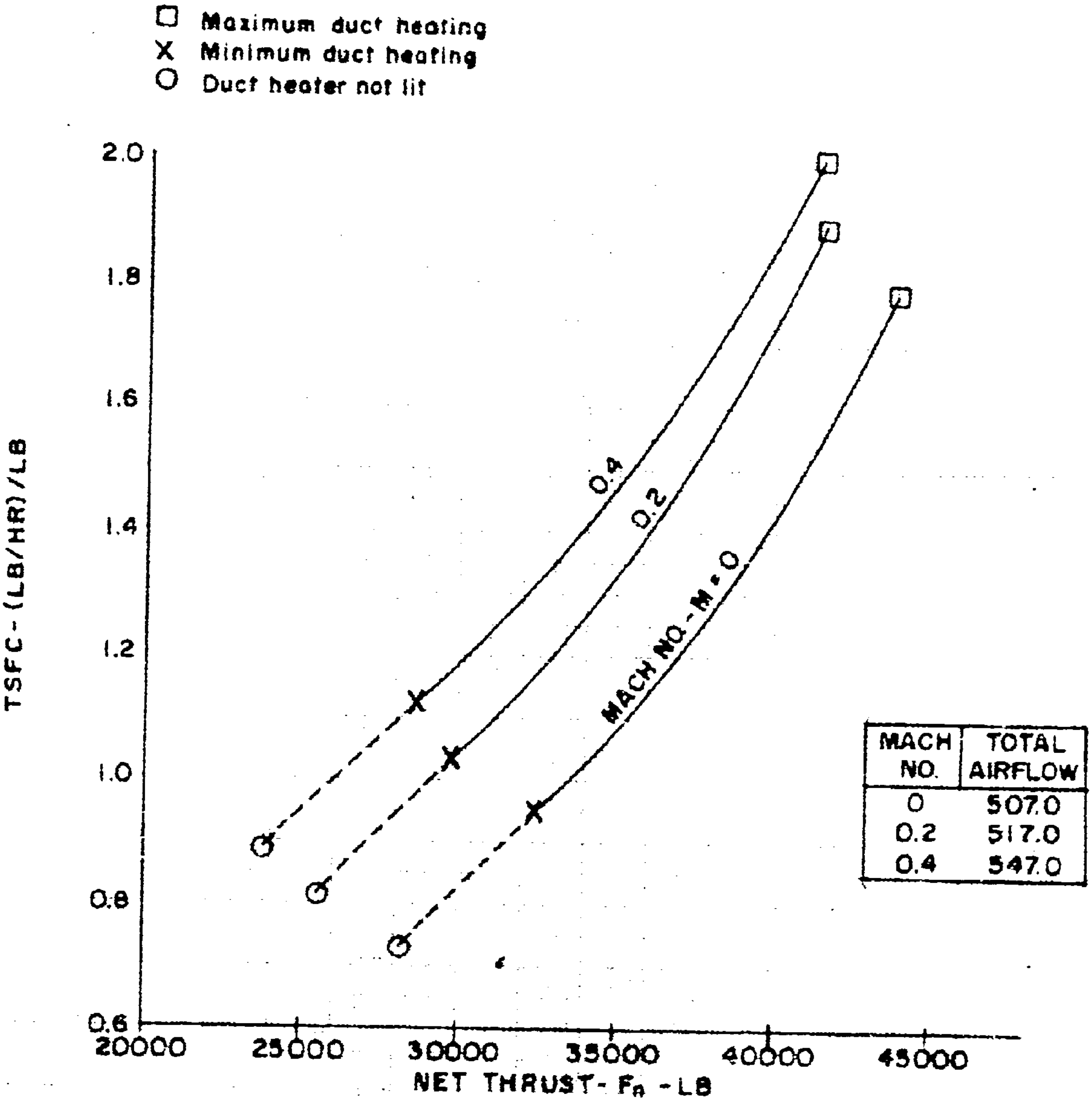
DOD DIR 5200.10

ENGINE MODEL STF 219B
ESTIMATED PERFORMANCE WITH PARTIAL DUCT HEATING

6000 FEET
STANDARD DAY + 27°

TAKE-OFF RATING
RAM RECOVERY PER MIL-E-5008 B



MACH NO.	TOTAL AIRFLOW
0	507.0
0.2	517.0
0.4	547.0

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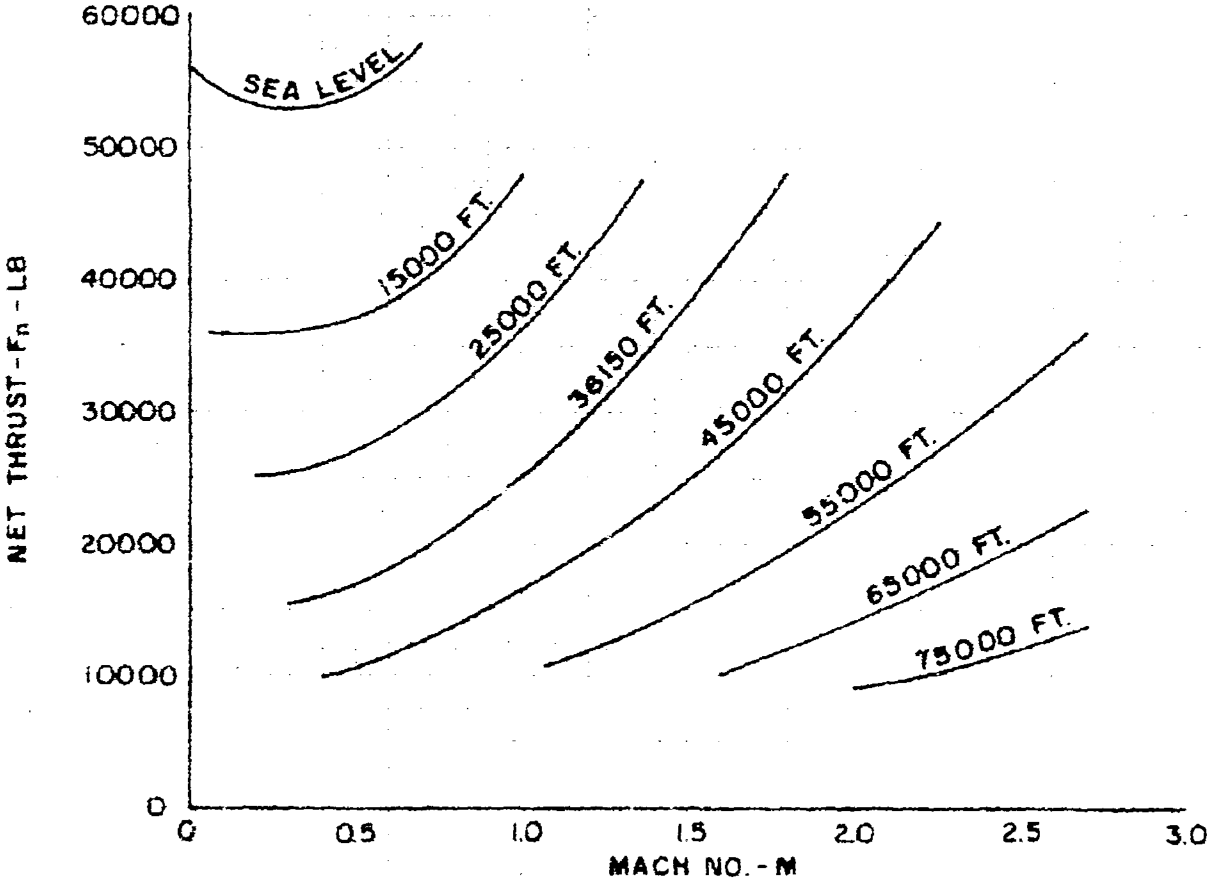
Pratt & Whitney Aircraft DIVISION OF UNITED AIRCRAFT CORPORATION

ENGINE MODEL STF 219B

ESTIMATED THRUST AT MAXIMUM DUCT HEATING

BASE AIRFLOW SCHEDULE — MAXIMUM THRUST
U.S. STANDARD ATMOSPHERE-1962(GEOM.) — RAM RECOVERY PER MIL-E-5008 B



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SHEET 8

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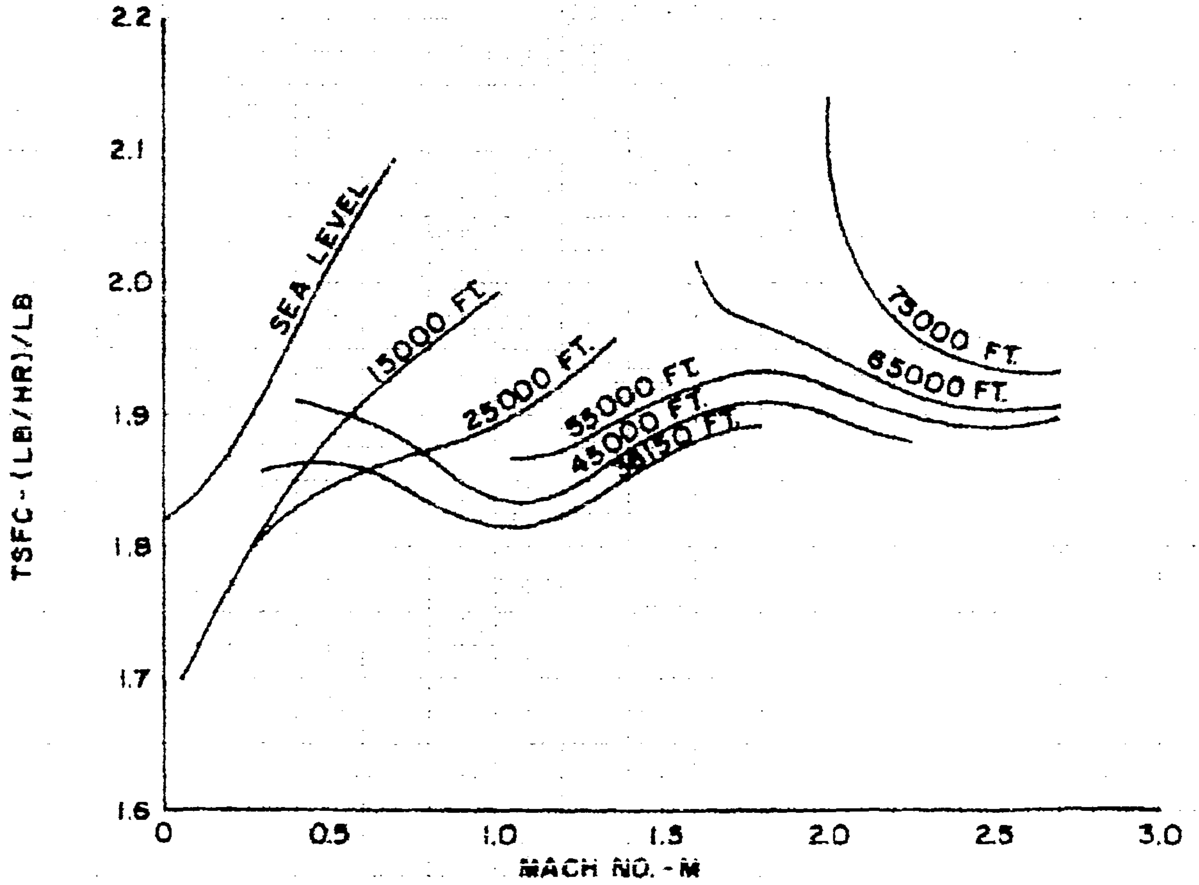
ENGINE MODEL STF 219B
ESTIMATED TSFC AT MAXIMUM DUCT HEATING

BASE AIRFLOW SCHEDULE
U.S. STANDARD ATMOSPHERE-1962 (GEOM.)

MAXIMUM THRUST
RAM RECOVERY PER MIL-E-5008 B



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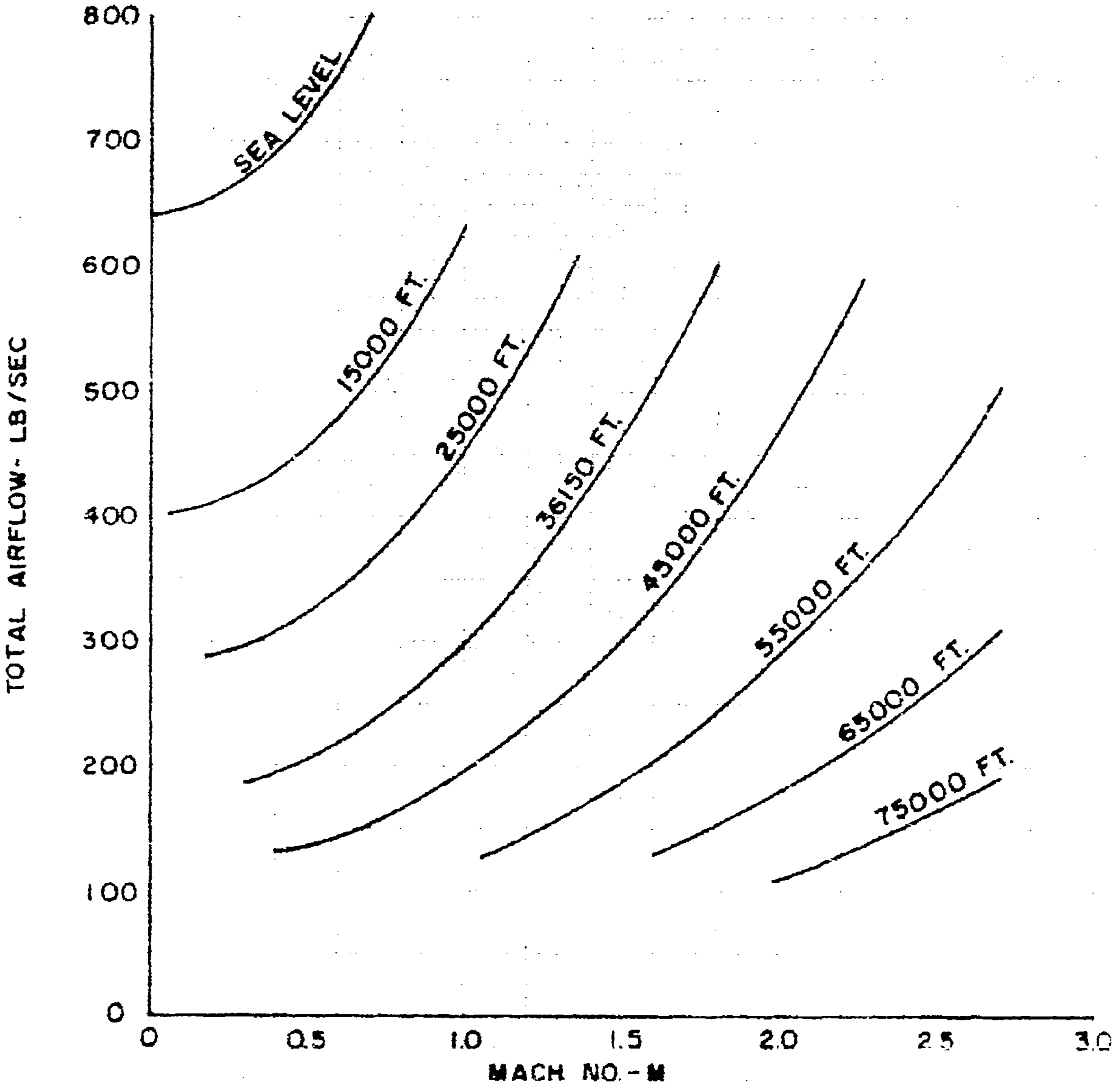
ENGINE MODEL STF 219B
ESTIMATED TOTAL AIRFLOW

BASE AIRFLOW SCHEDULE
U. S. STANDARD ATMOSPHERE-1962 (GEOM.)

MAXIMUM THRUST
RAM RECOVERY PER MIL-E-5008 B



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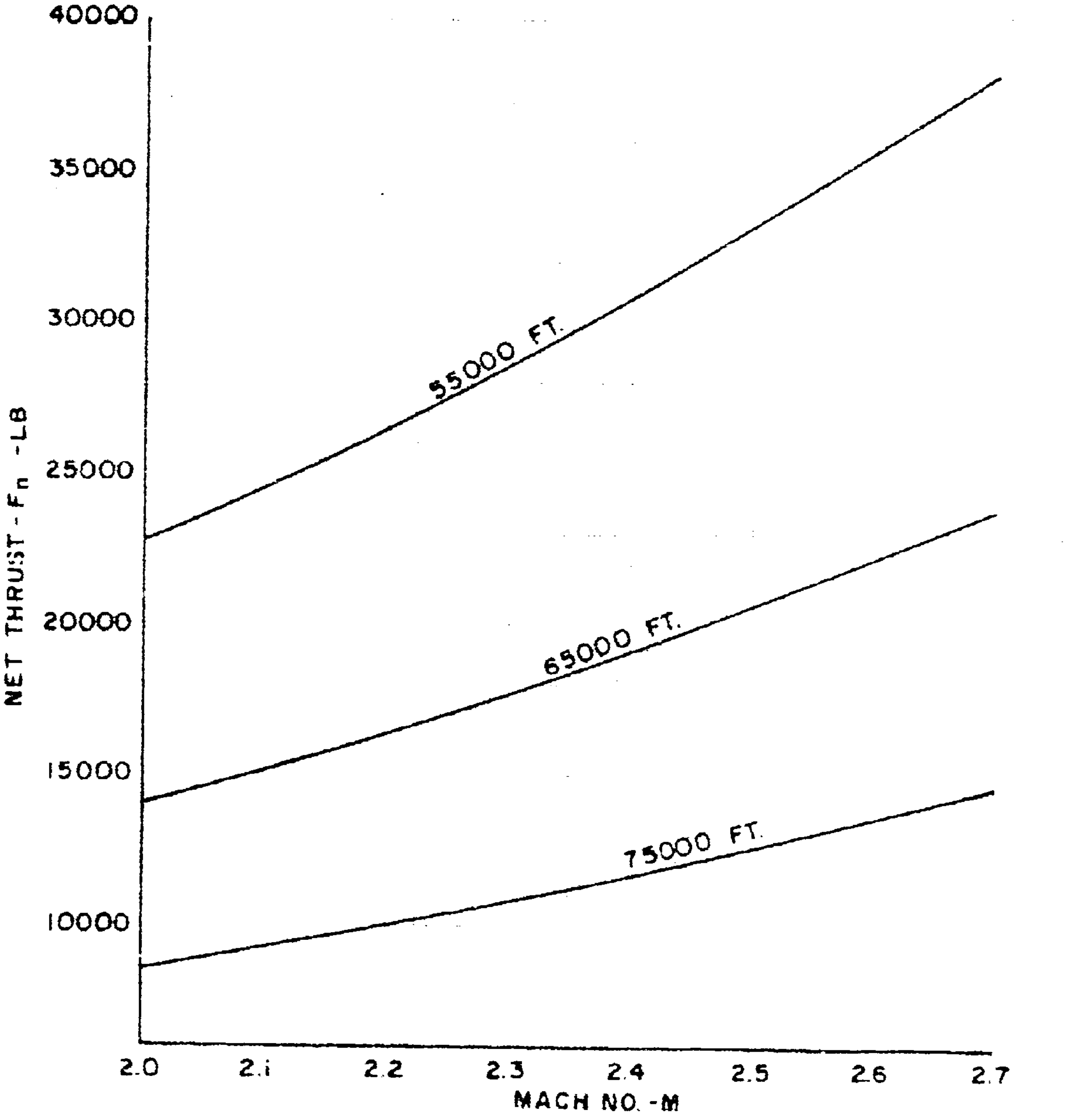
Pratt & Whitney Aircraft DIVISION OF UNITED AIRCRAFT CORPORATION

ENGINE MODEL STF 219B

ESTIMATED THRUST AT MAXIMUM DUCT HEATING

HIGH AIRFLOW SCHEDULE
U.S. STANDARD ATMOSPHERE - 1962 (GEOM.)

MAXIMUM THRUST
RAM RECOVERY PER MIL-E-5008 B



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CURVE NO. T-1688
SHEET 11

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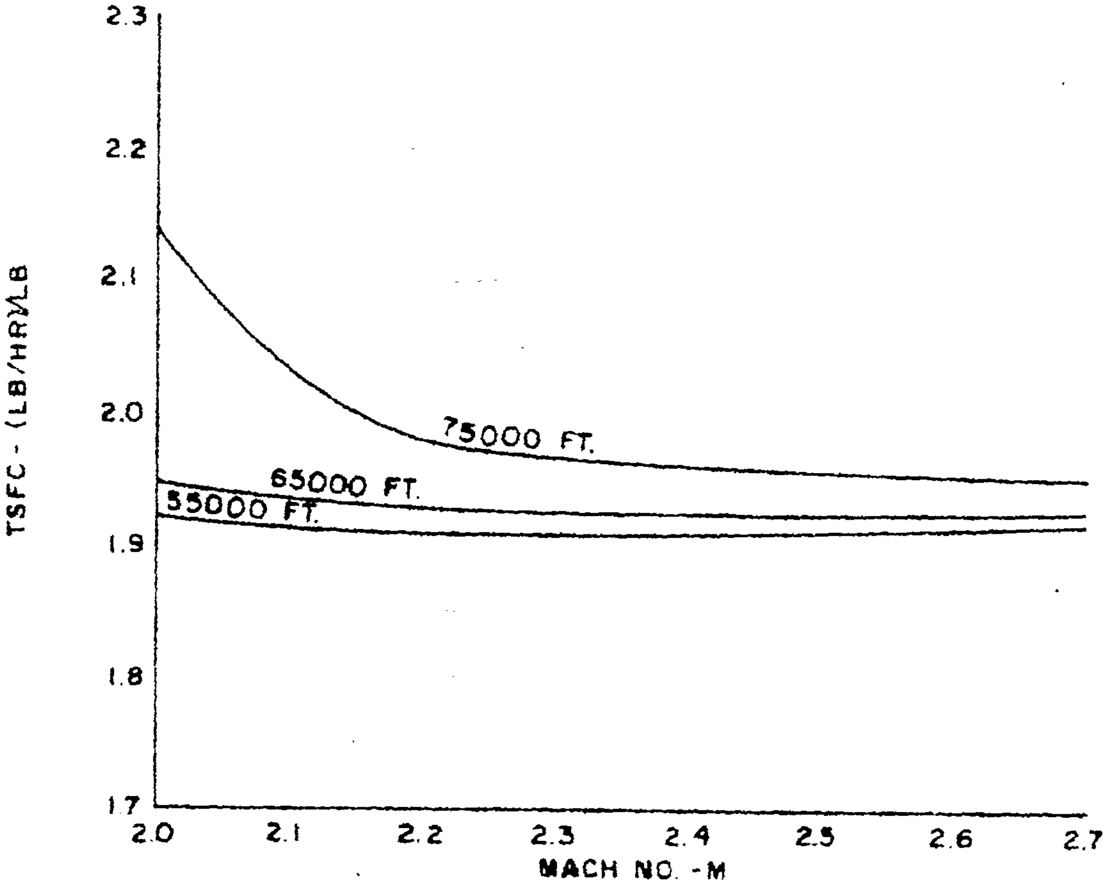
ENGINE MODEL STF 219B

ESTIMATED TSFC AT MAXIMUM DUCT HEATING

HIGH AIRFLOW SCHEDULE
U. S. STANDARD ATMOSPHERE-1962 (GEOM.)

MAXIMUM THRUST
RAM RECOVERY PER MIL-E-5008 B



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SHEET 12

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DOD DIR 5200.10
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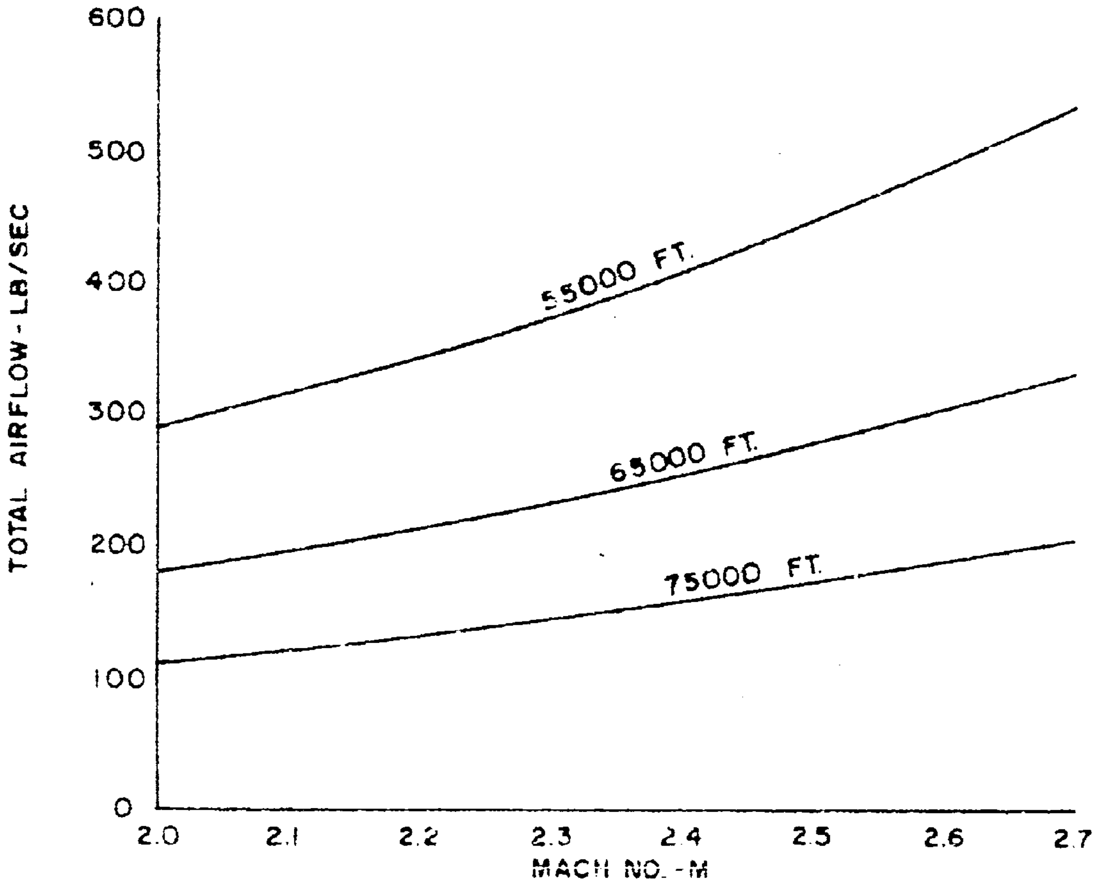
Pratt & Whitney Aircraft DIVISION OF UNITED AIRCRAFT CORPORATION

ENGINE MODEL STF 219B
ESTIMATED TOTAL AIRFLOW

HIGH AIRFLOW SCHEDULE
U.S. STANDARD ATMOSPHERE-1962 (GEOM.)

MAXIMUM THRUST
RAM RECOVERY PER MIL-E-5008 B



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CURVE NO T-1688
SHEET 13

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Pratt & Whitney Aircraft DIVISION OF UNITED AIRCRAFT CORPORATION

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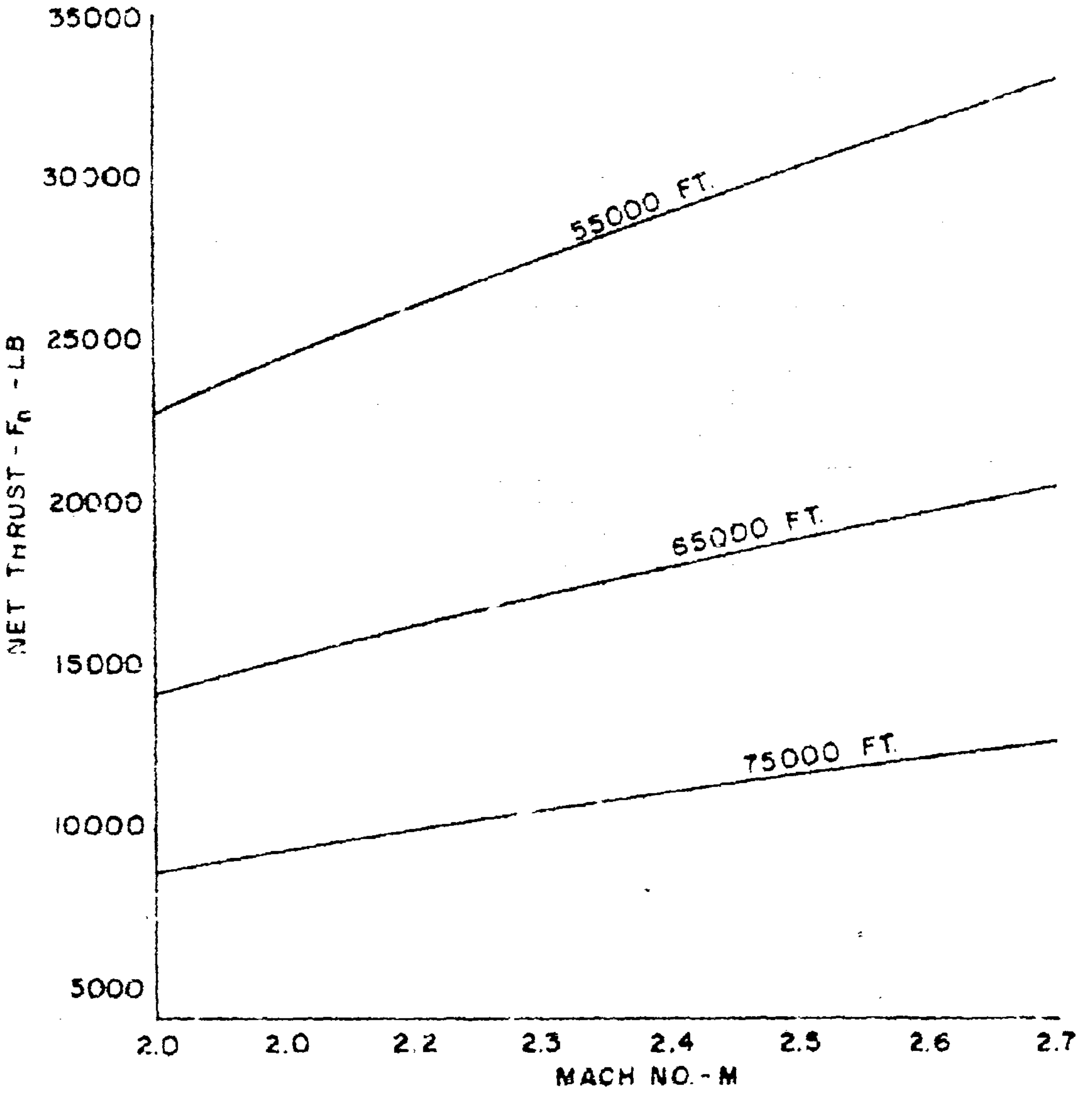
ENGINE MODEL STF 219B

ESTIMATED THRUST AT MAXIMUM DUCT HEATING

LOW AIRFLOW SCHEDULE
U. S. STANDARD ATMOSPHERE -1962 (GEOM.)

MAXIMUM THRUST
RAM RECOVERY PER MIL-E-5008 B



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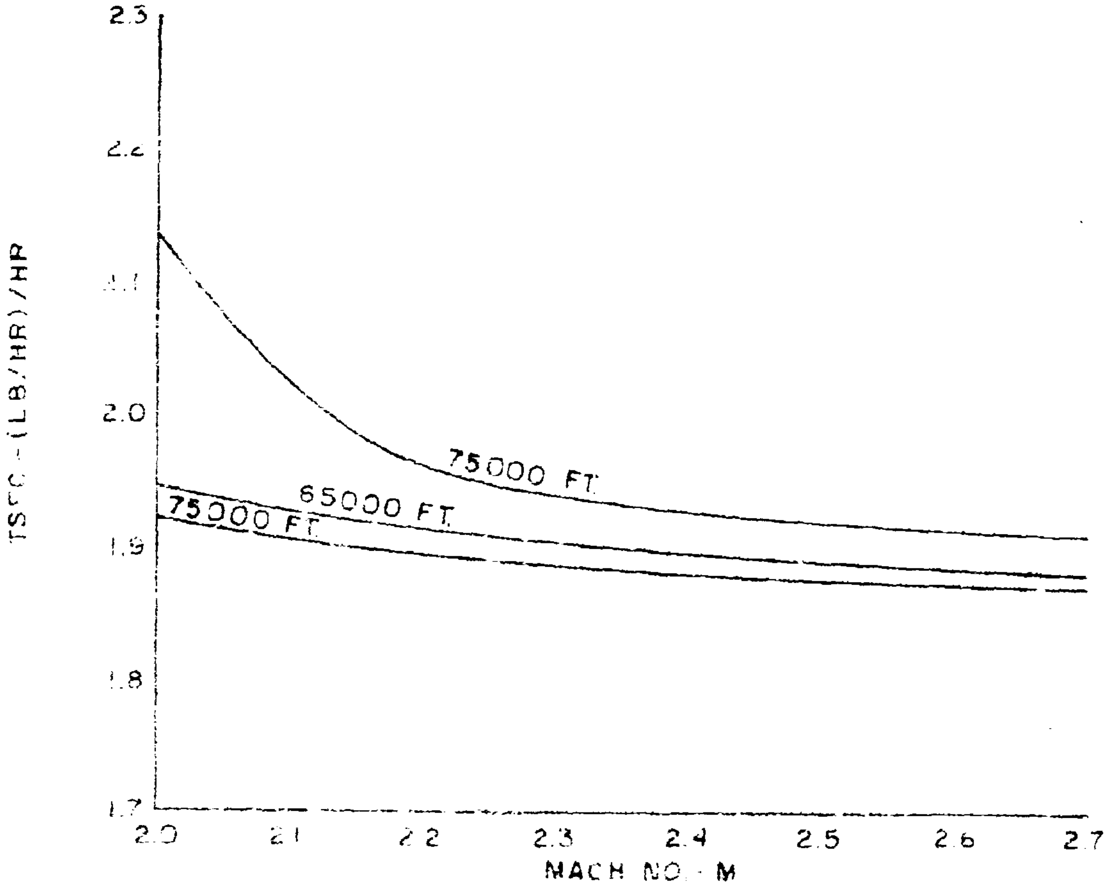
Pratt & Whitney Aircraft DIVISION OF UNITED AIRCRAFT CORPORATION

ENGINE MODEL STF 219B

ESTIMATED TSFC AT MAXIMUM DUCT HEATING

LOW AIRFLOW SCHEDULE — MAXIMUM THRUST

U.S. STANDARD ATMOSPHERE-1962 (GEOM.) — RAM RECOVERY PER MIL-E-5008B



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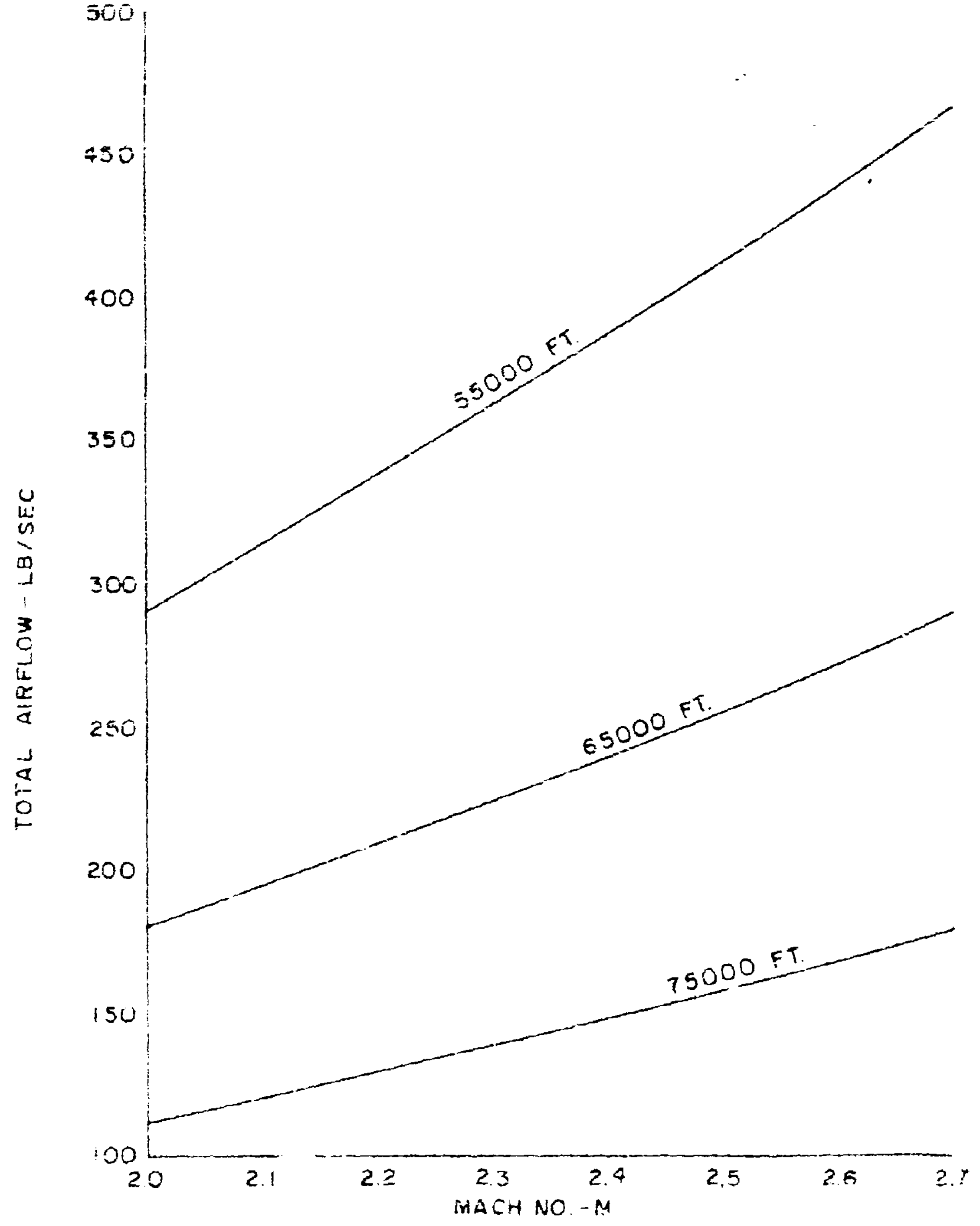
ENGINE MODEL STF 219B
ESTIMATED TOTAL AIRFLOW

LOW AIRFLOW SCHEDULE — MAXIMUM THRUST

U.S. STANDARD ATMOSPHERE - 1962 (GEOM.) — RAM RECOVERY PER MIL-E-5008 B



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CURVE NO. T-1688
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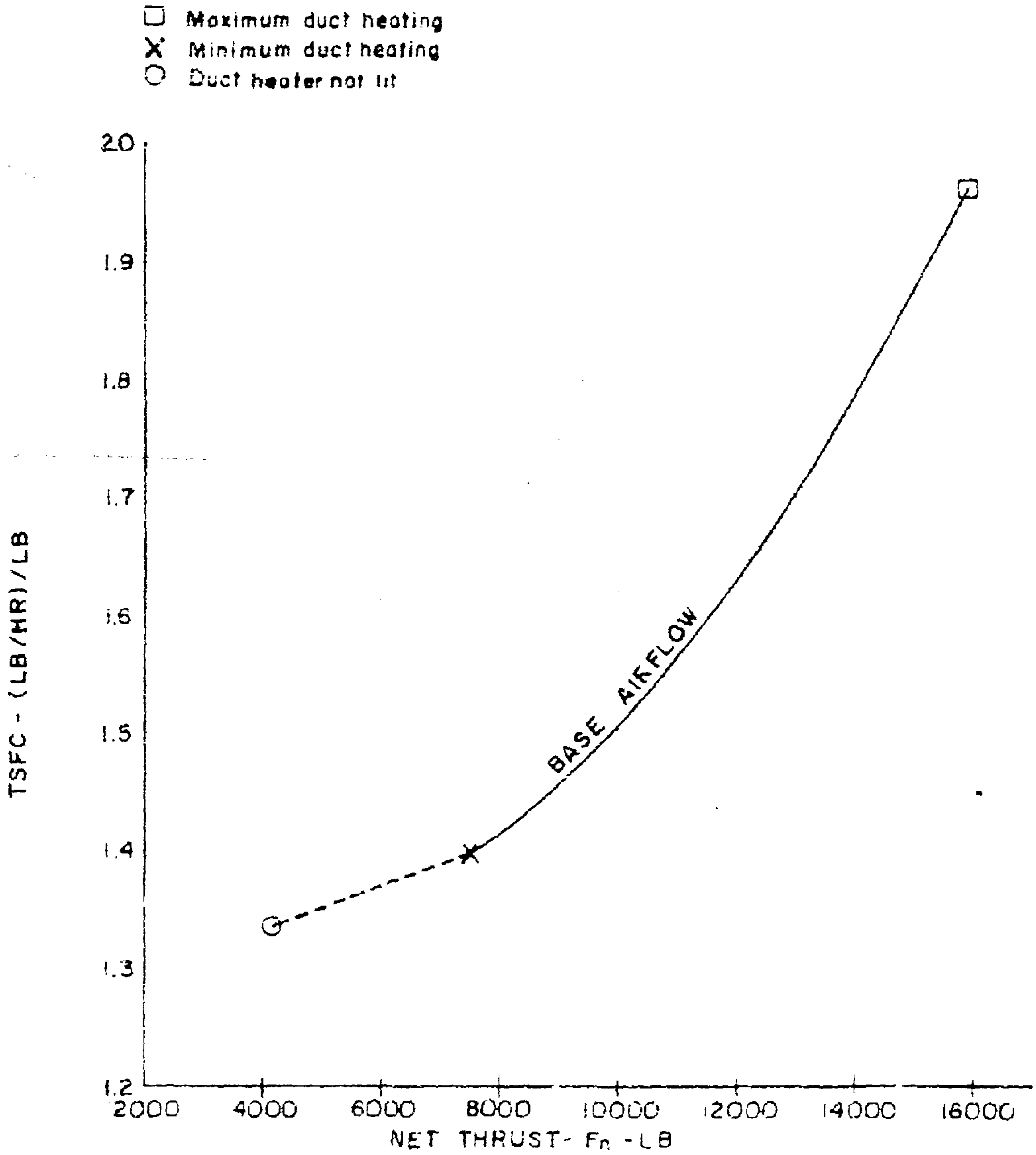
ENGINE MODEL STF 219B
ESTIMATED PERFORMANCE WITH PARTIAL DUCT HEATING

65000 FEET MACH NO. = 2.2 MAXIMUM CRUISE
U.S. STANDARD ATMOSPHERE - 1962 (GEOM) RAM RECOVERY PER MIL-E-5008 B



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DOD DIR 5200.10

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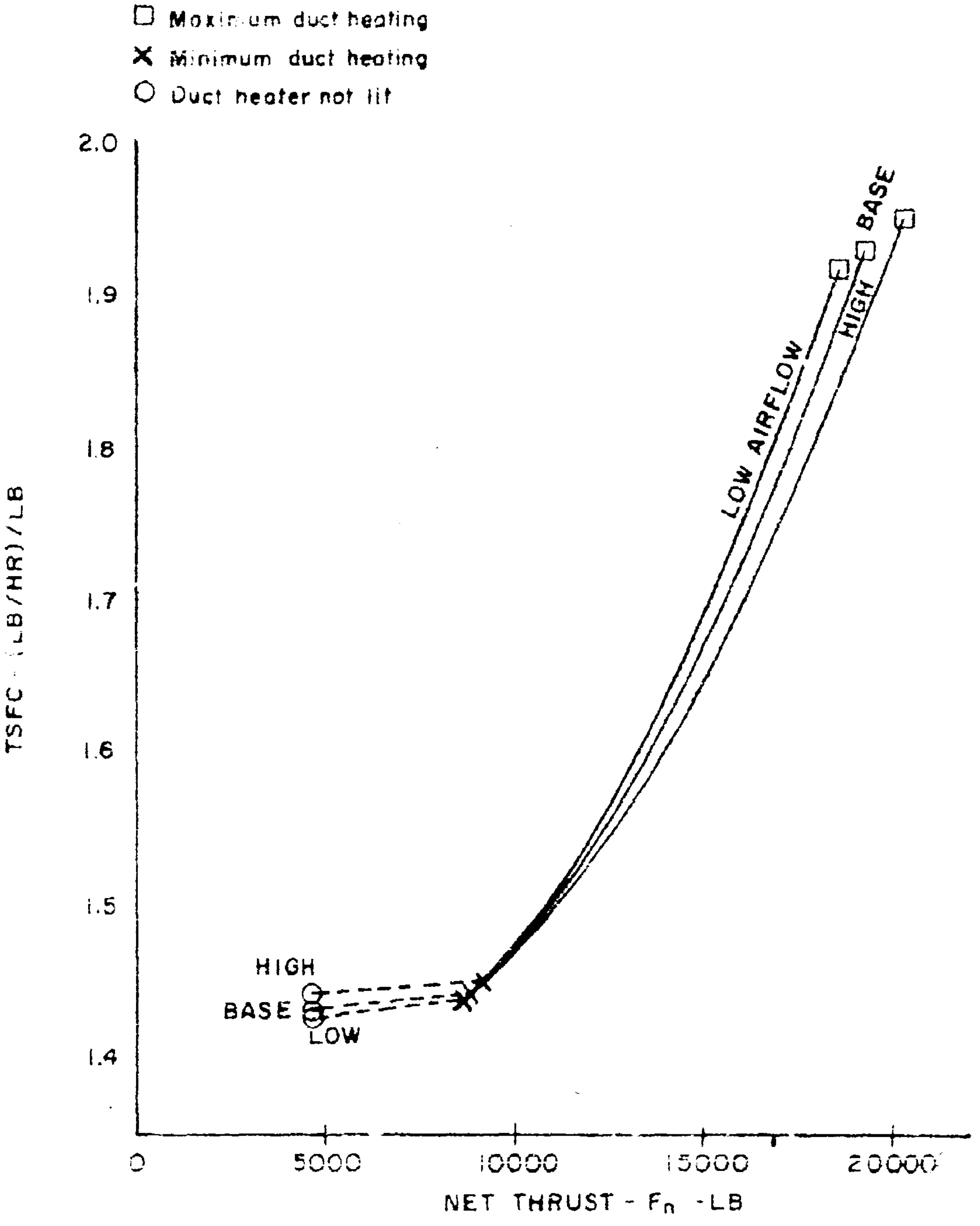
ENGINE MODEL STF 219B

ESTIMATED PERFORMANCE WITH PARTIAL DUCT HEATING

65000 FEET MACH NO.=2.5 MAXIMUM CRUISE

U.S. STANDARD ATMOSPHERE - 1962 (GEOM.) RAM RECOVERY PER MIL-E-5008 B



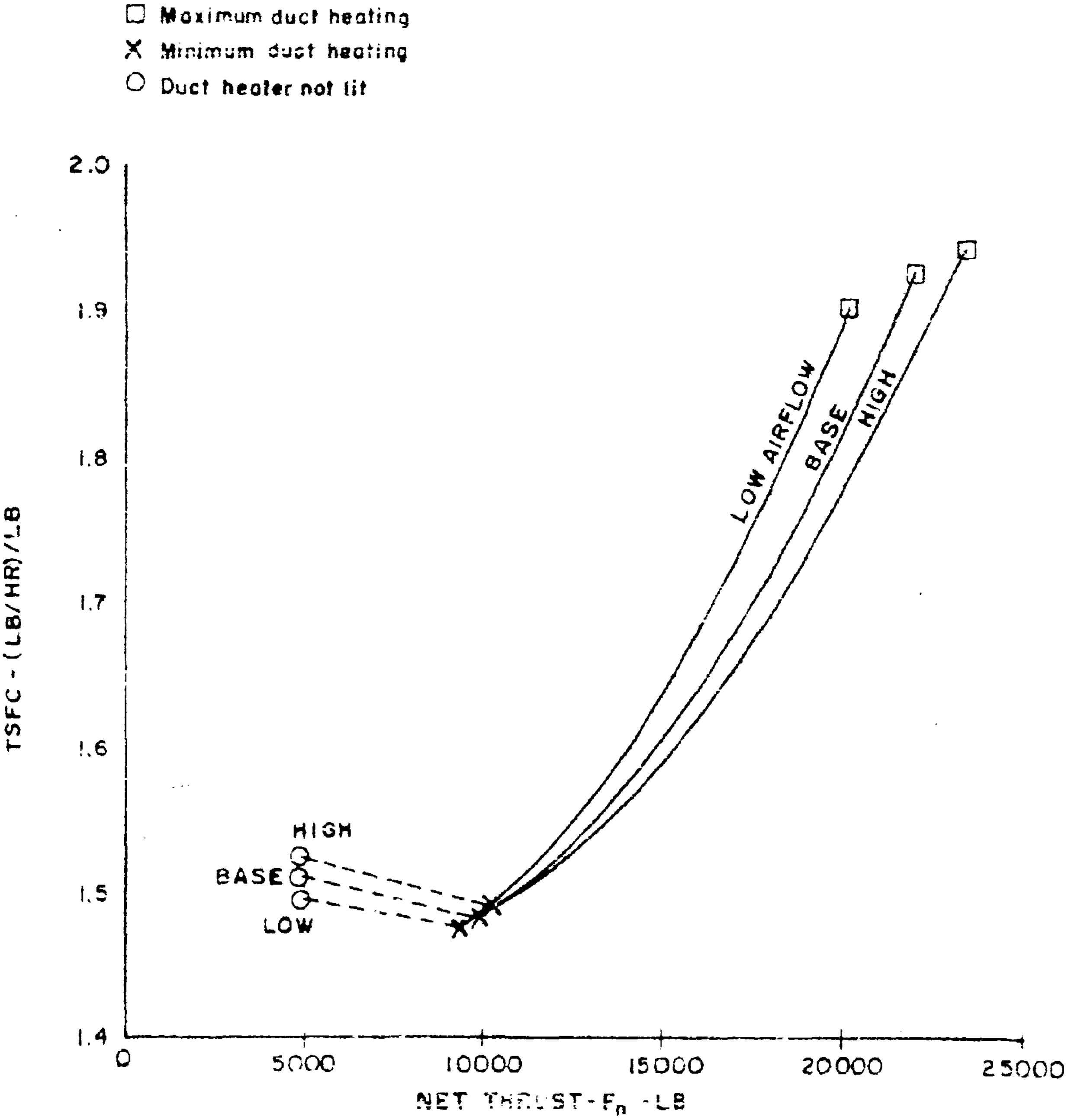
DATE 10-15-64

CURVE NO. T-1688
SHEET 18

DECLASSIFIED AFTER 12 YEARS
DOD DIR 5200.10

ENGINE MODEL STF 219B
ESTIMATED PERFORMANCE WITH PARTIAL DUCT HEATING

65000 FEET MACH NO.=2.7 MAXIMUM CRUISE
U.S. STANDARD ATMOSPHERE-1962(GEOM.) RAM RECOVERY PER MIL-E-5008 B



DATE 10-15-64

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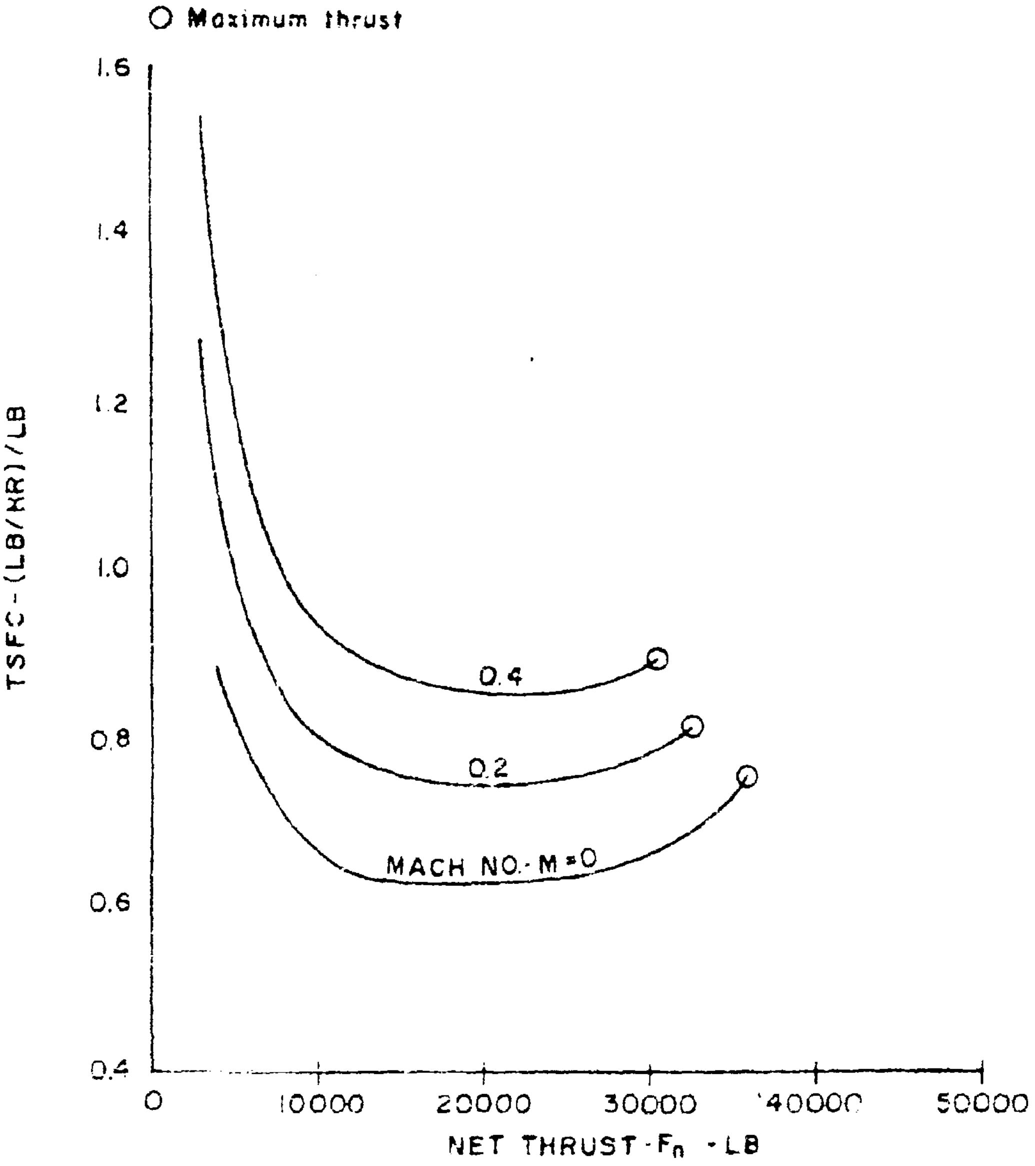
ENGINE MODEL STF 219B

ESTIMATED PERFORMANCE WITH DUCT HEATER NOT LIT

SEA LEVEL

U. S. STANDARD ATMOSPHERE - 1962 (GEOM)

RAM RECOVERY PER MIL-E-5008 B



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DOD DIR 5200.10

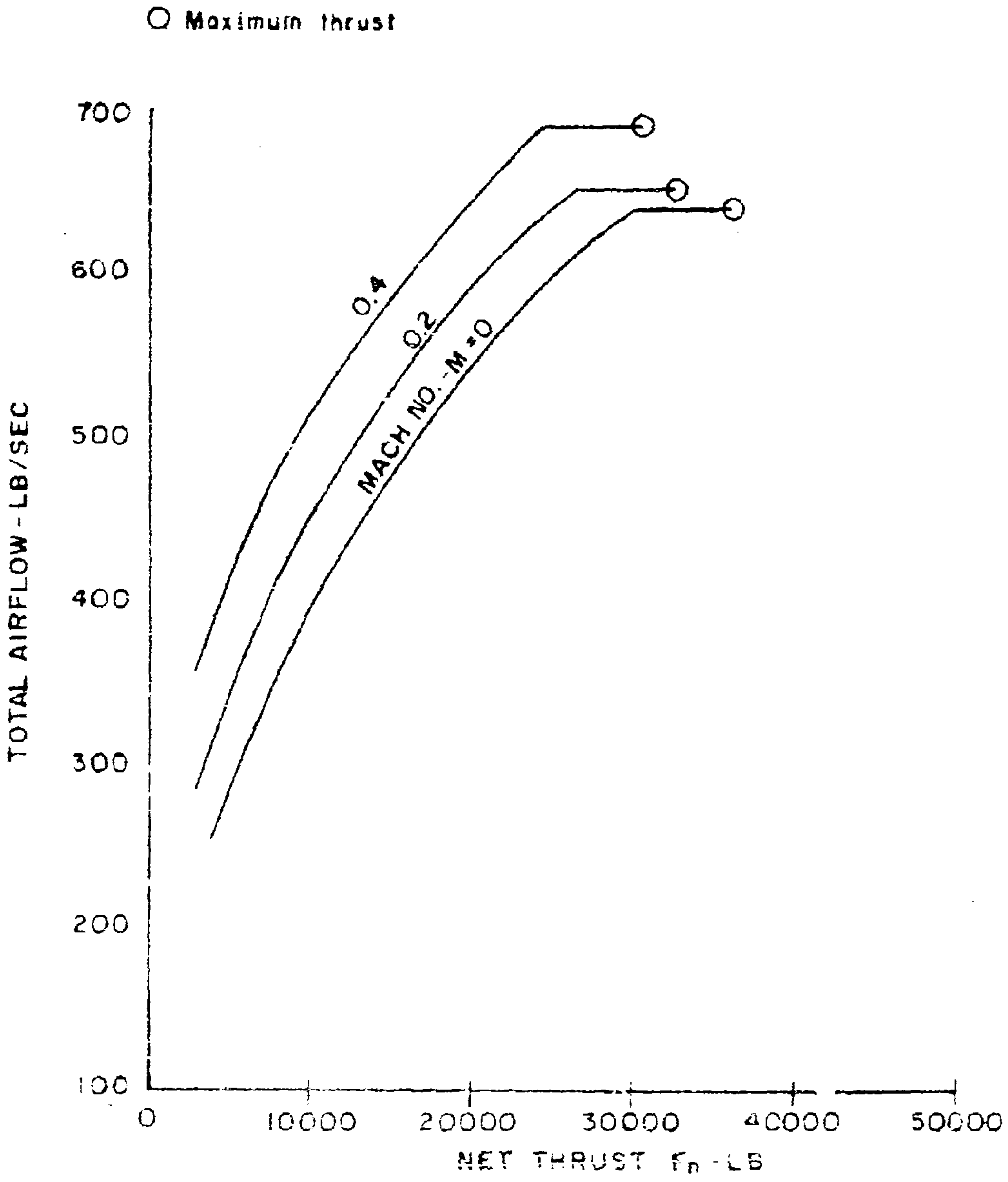
Pratt & Whitney Aircraft DIVISION OF UNITED AIRCRAFT CORPORATION

ENGINE MODEL STF 219B

ESTIMATED TOTAL AIRFLOW WITH DUCT HEATER NOT LIT

SEA LEVEL

U.S. STANDARD ATMOSPHERE-1962(GEOM) RAM RECOVERY PER MIL-E-5008 B



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SHEET 21

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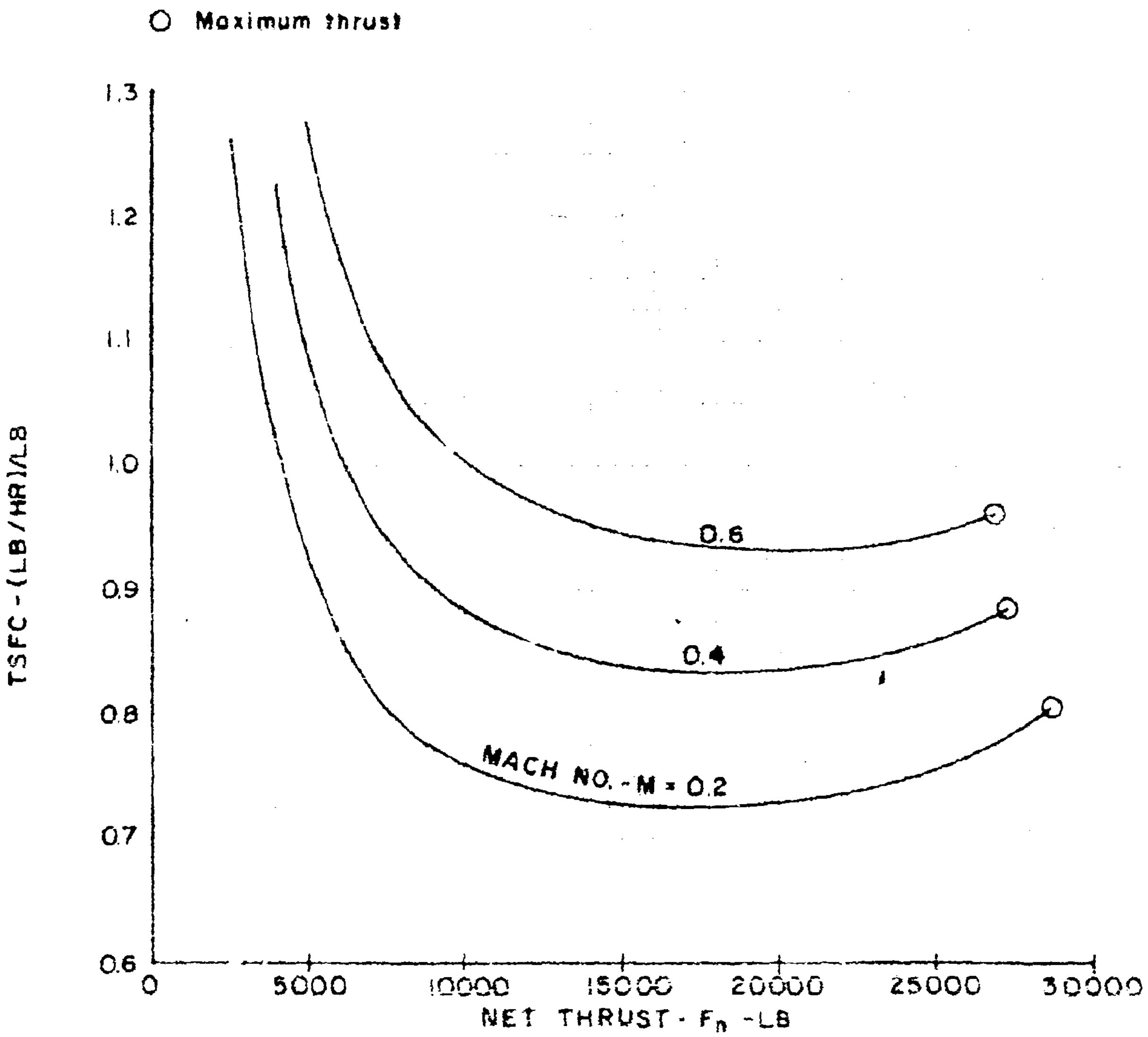
ENGINE MODEL STF 219B
ESTIMATED PERFORMANCE WITH DUCT HEATER NOT LIT
5000 FEET

U.S. STANDARD ATMOSPHERE - 1962 (GEOM.) RAM RECOVERY PER MIL-E-5008B



DATE 10-15-64

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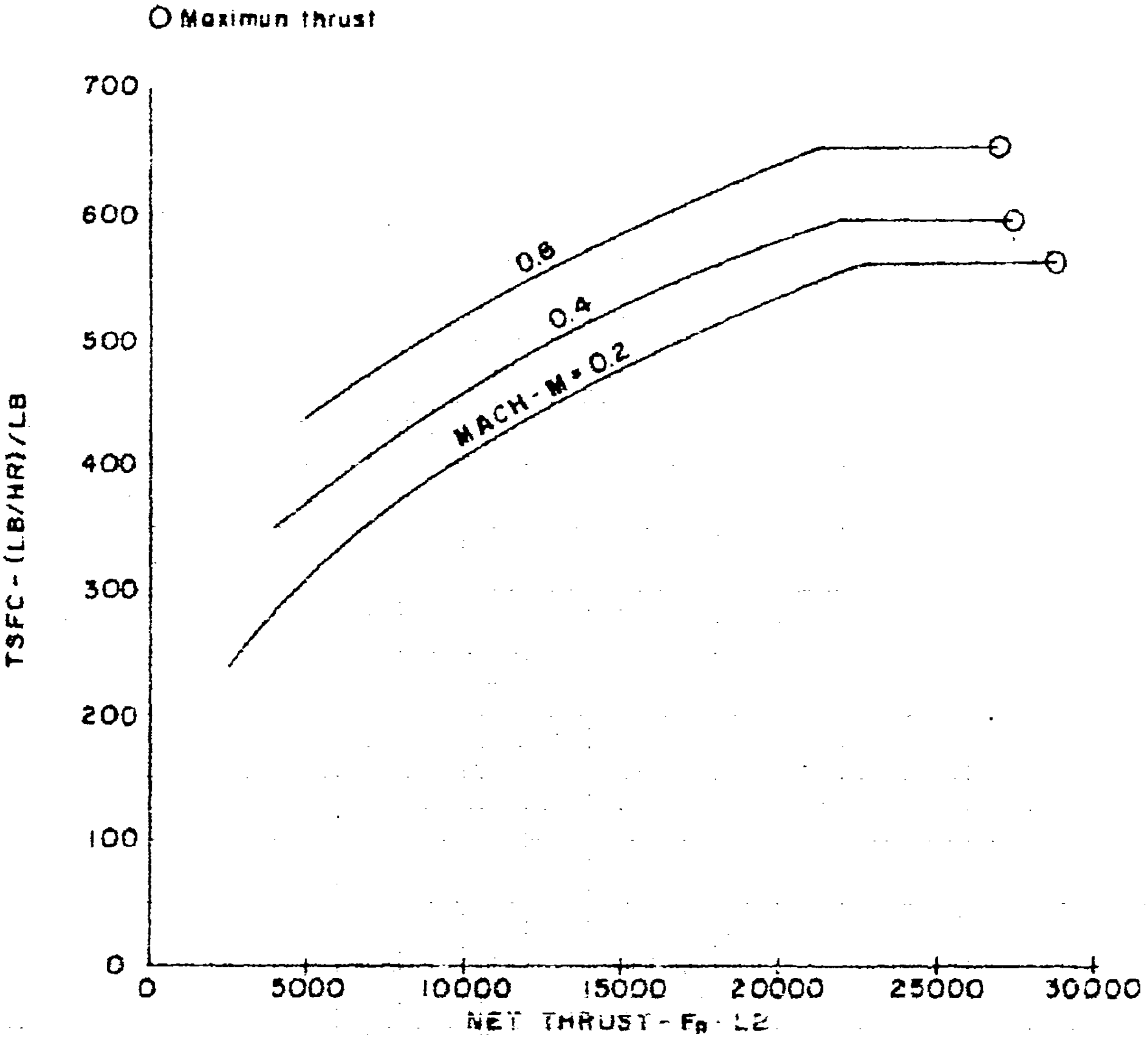
CURVE NO. T-1685
SHEET 22

DECLASSIFIED AFTER 12 YEARS
DOD DIR 5200.10

ENGINE MODEL STF 219B
ESTIMATED TOTAL AIRFLOW WITH DUCT HEATER NOT LIT
5000 FEET

U.S. STANDARD ATMOSPHERE-1962(GEOM.)   RAM RECOVERY PER MIL-E-5008 B



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DOD DIR 5200.10

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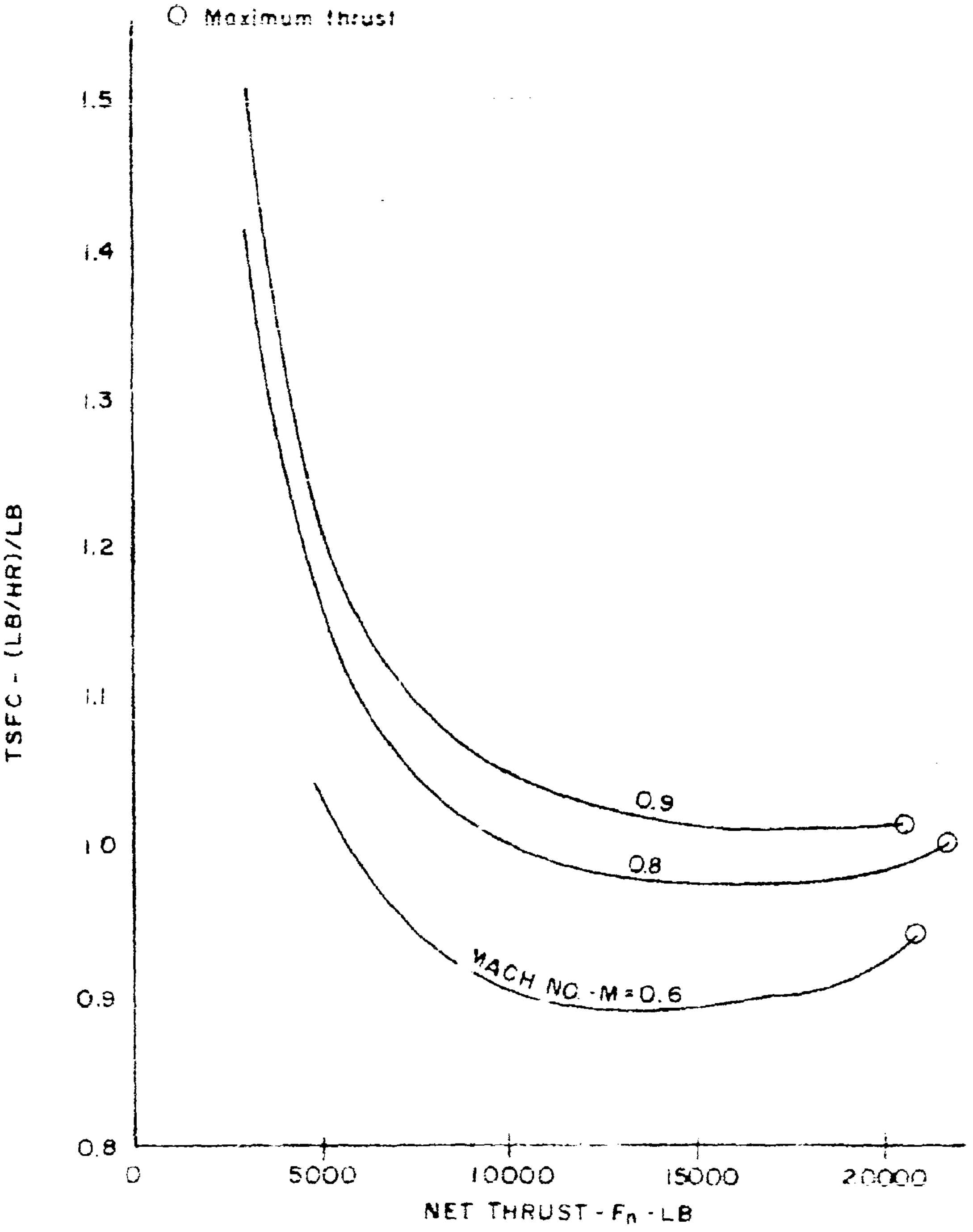
ENGINE MODEL STF 219B
ESTIMATED PERFORMANCE WITH DUCT HEATER NOT LIT
15000 FEET

U.S. STANDARD ATMOSPHERE-1962 (GEOM.) RAM RECOVERY PER MIL-E-5008B



DATE 10-15-64 CONFIDENTIAL CURVE NO. T-1688
SHEET 24

CONFIDENTIAL

DECLASSIFIED AFTER 12 YEARS
DOD DIR 5200.10

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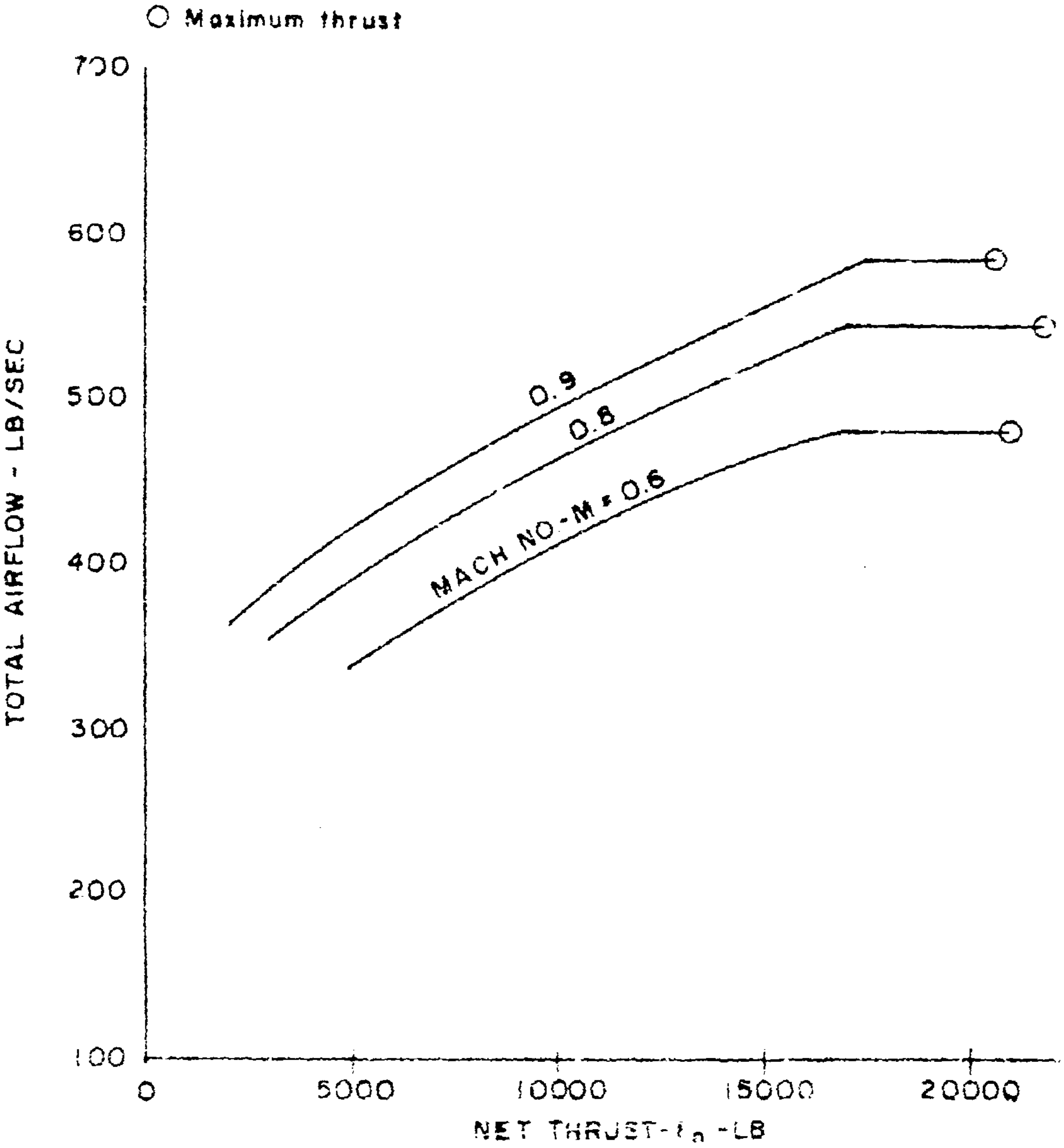
ENGINE MODEL STF 219B

ESTIMATED TOTAL AIRFLOW WITH DUCT HEATER NOT LIT

15000 FEET

U.S. STANDARD ATMOSPHERE-1962 (GEOM.)   RAM RECOVERY PER MIL-E-5008B



DATE 10-15-64   CONFIDENTIAL   CURVE NO. T-1686
SHEET 25

DECLASSIFIED AFTER 12 [illegible]
DOD DIR 5200.10

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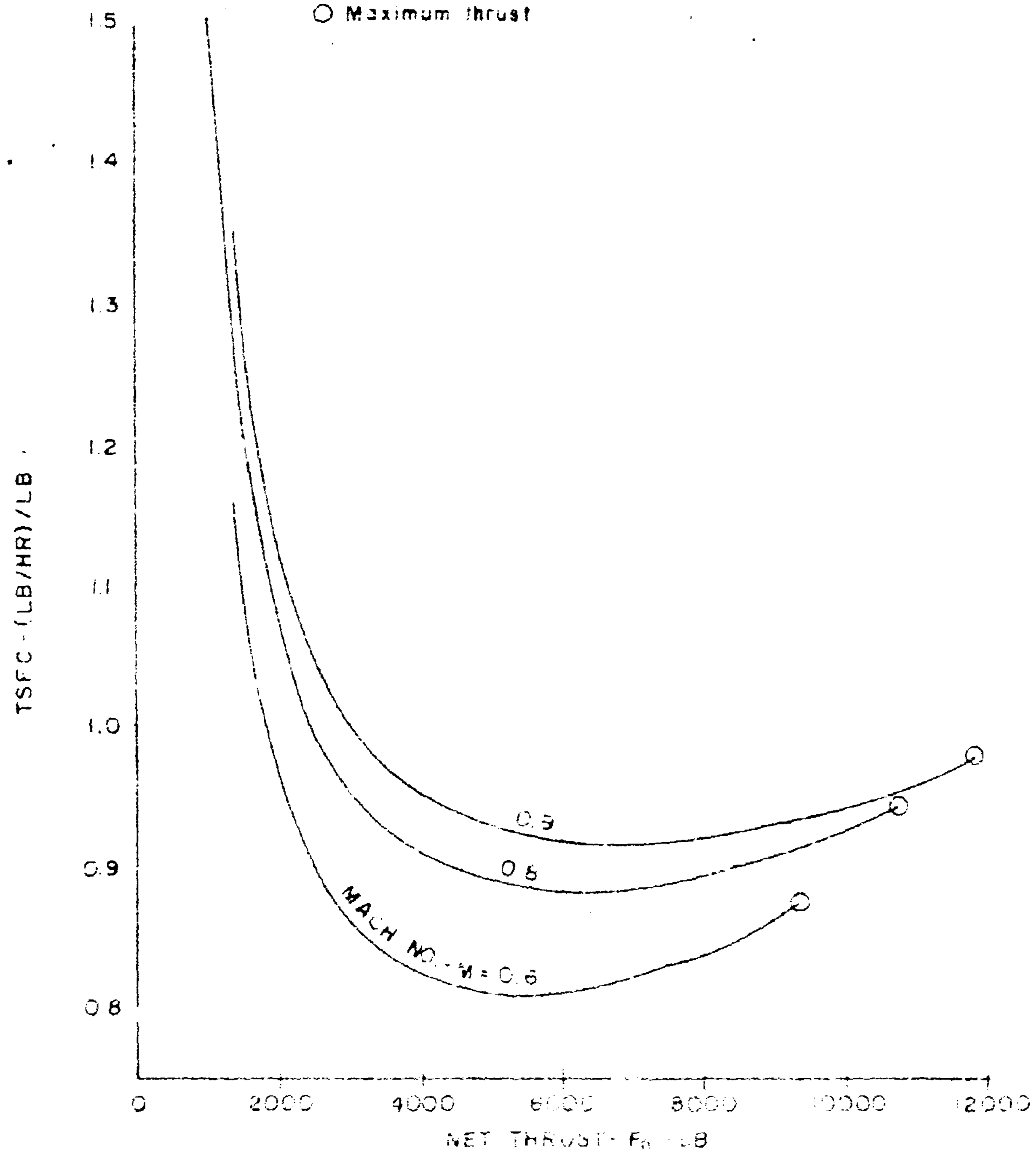
Pratt & Whitney Aircraft

ENGINE MODEL STF 219B
ESTIMATED PERFORMANCE WITH DUCT HEATER NOT LIT
36150 FEET

U. S. STANDARD ATMOSPHERE - 1962 (GEOM.)   RAM RECOVERY PER MIL-E-5008B



DATE 10-15-64   CONFIDENTIAL   CURVE NO T-1689
SHEET 26

DECLASSIFIED AFTER [illegible] YEARS

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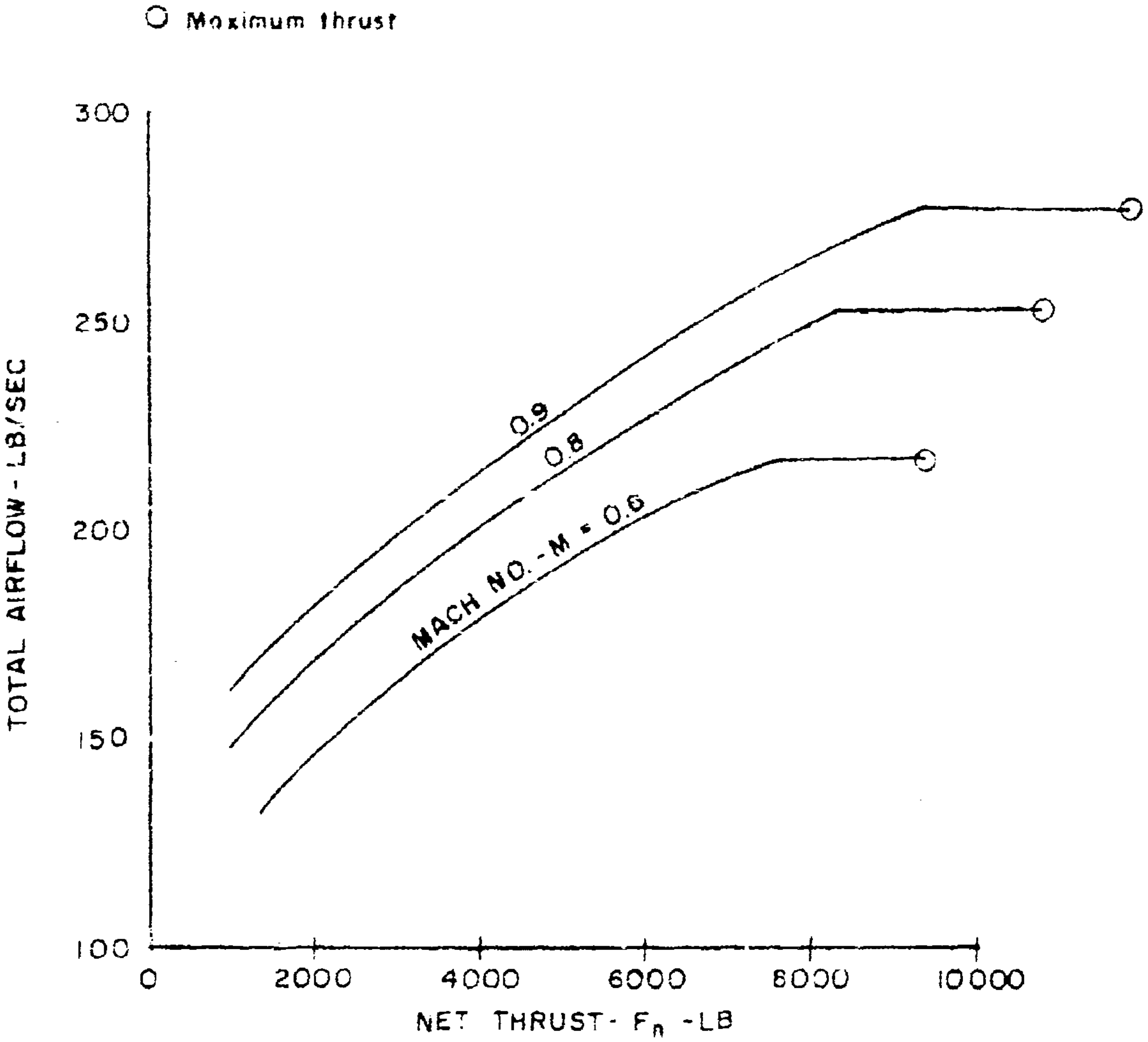
ENGINE MODEL STF 219B

ESTIMATED TOTAL AIRFLOW WITH DUCT HEATER NOT LIT

36150 FEET

U. S. STANDARD ATMOSPHERE - 1962 (GEOM.)   RAM RECOVERY PER MIL-E-5008B



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SHEET 27

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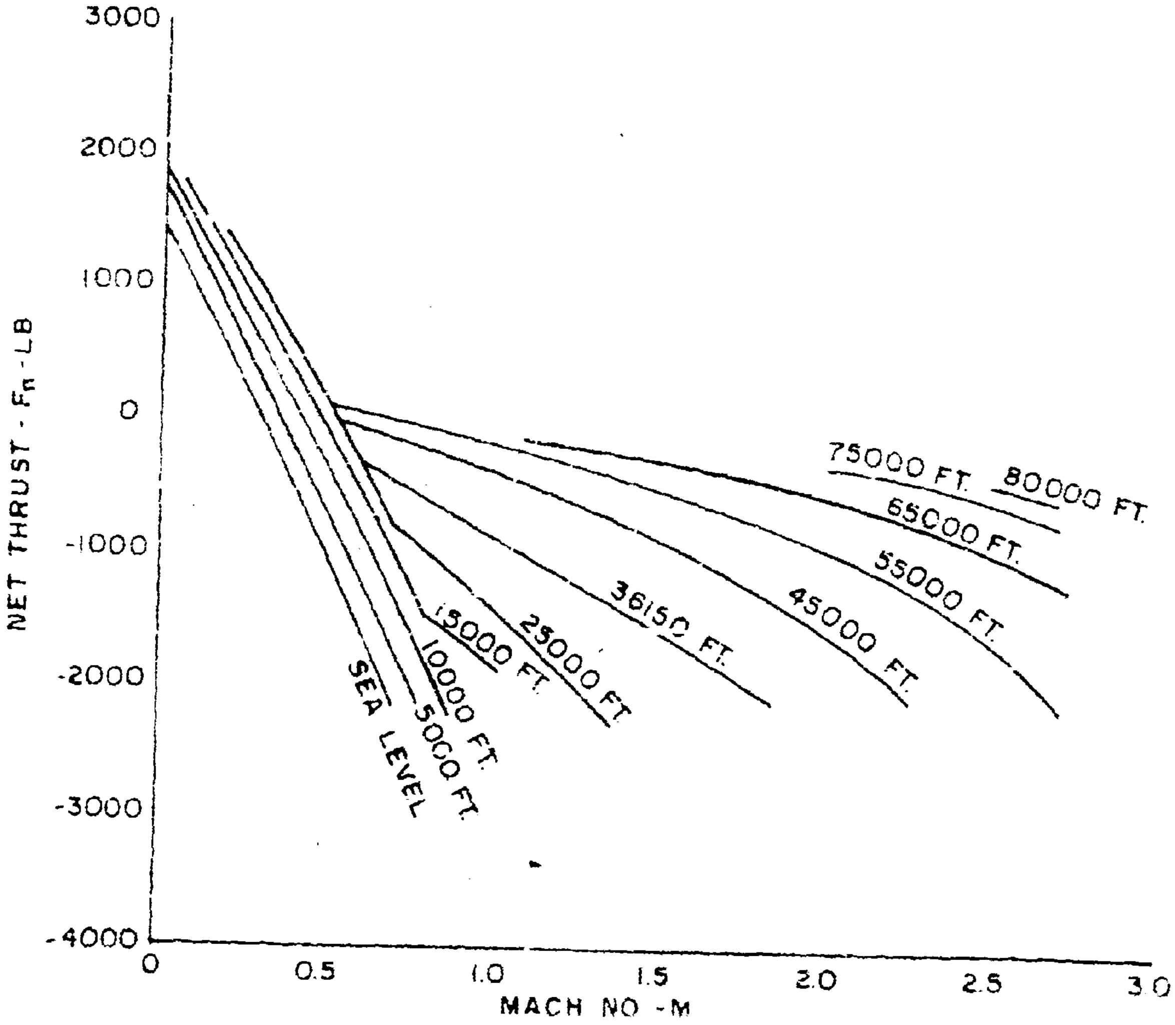
ENGINE MODEL STF 219B
ESTIMATED THRUST AT IDLE

U.S. STANDARD ATMOSPHERE - 1962 (GEOM)

RAM RECOVERY PER MIL-E-5008 B



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SHEET 28A

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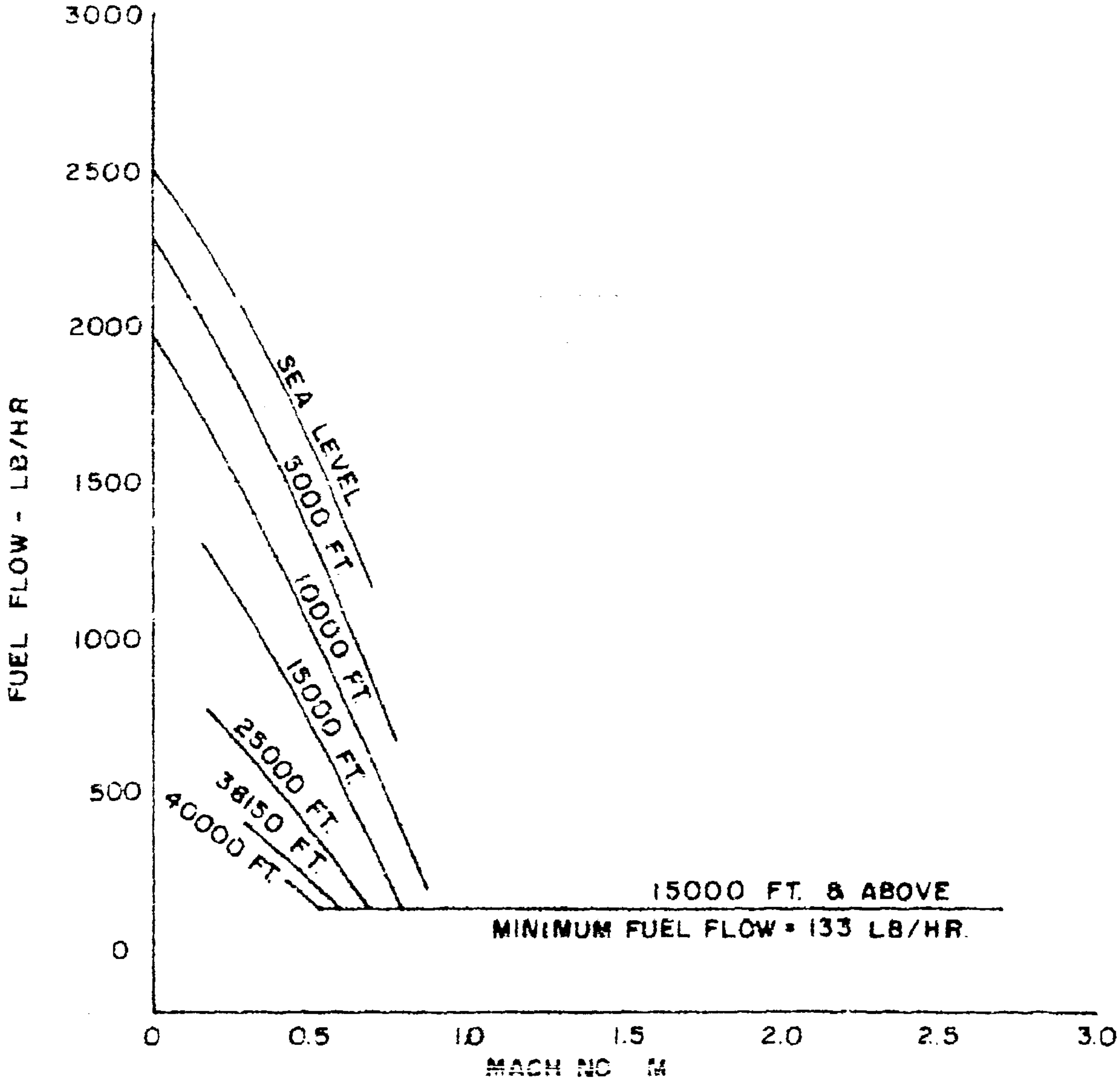
ENGINE MODEL STF 219B
ESTIMATED FUEL FLOW AT IDLE

U.S. STANDARD ATMOSPHERE - 1962 (GEOM.) RAM RECOVERY PER MIL-E-5008 B



DATE 10-15-64 CONFIDENTIAL CURVE NO. T-1688
SHEET 288

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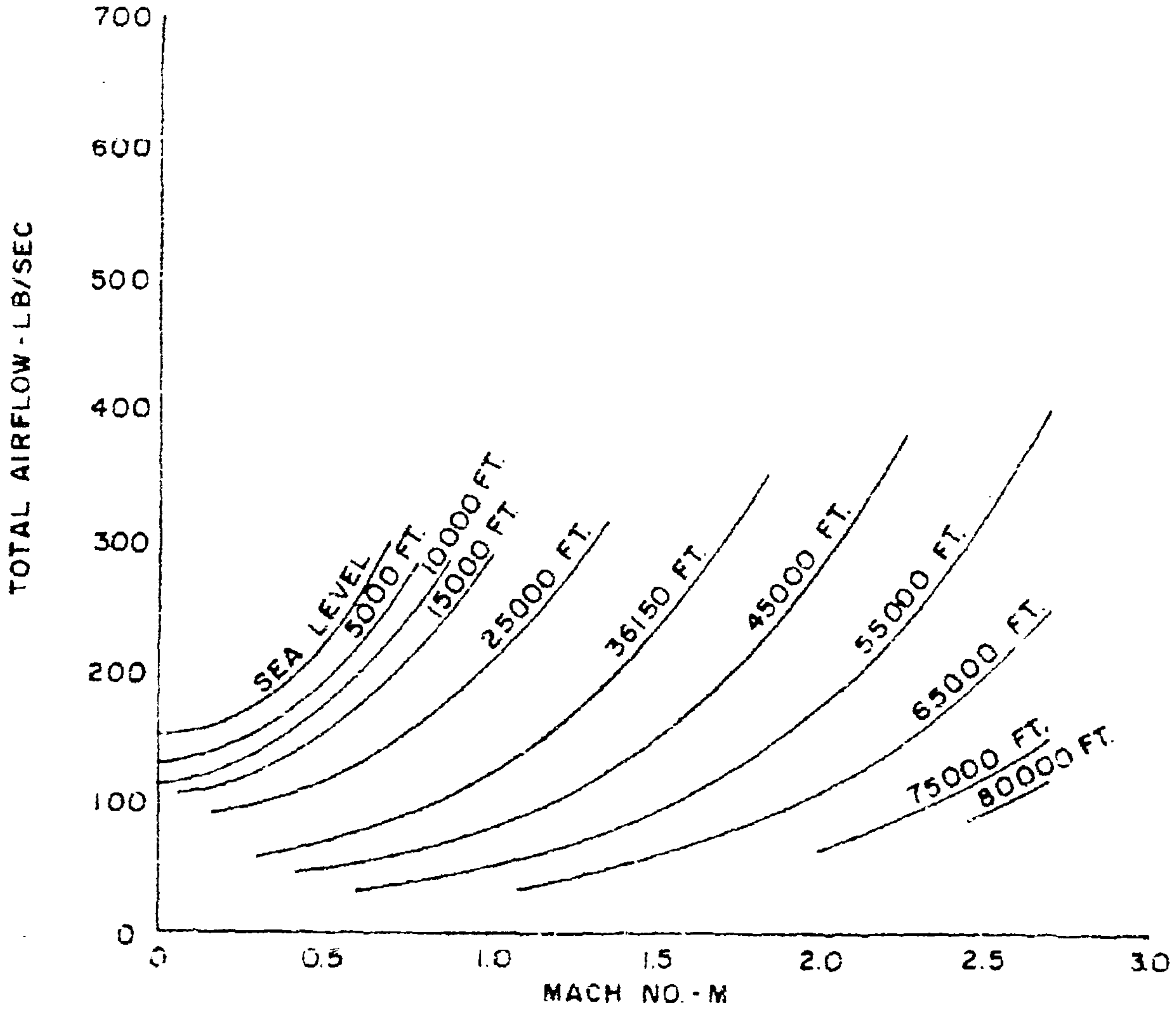
ENGINE MODEL STF 219B
ESTIMATED AIRFLOW AT IDLE

U.S. STANDARD ATMOSPHERE - 1962 (GEOM.)

RAM RECOVERY PER MIL-E-5008 B



DATE 10-15-64

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SHEET 29

CONFIDENTIAL

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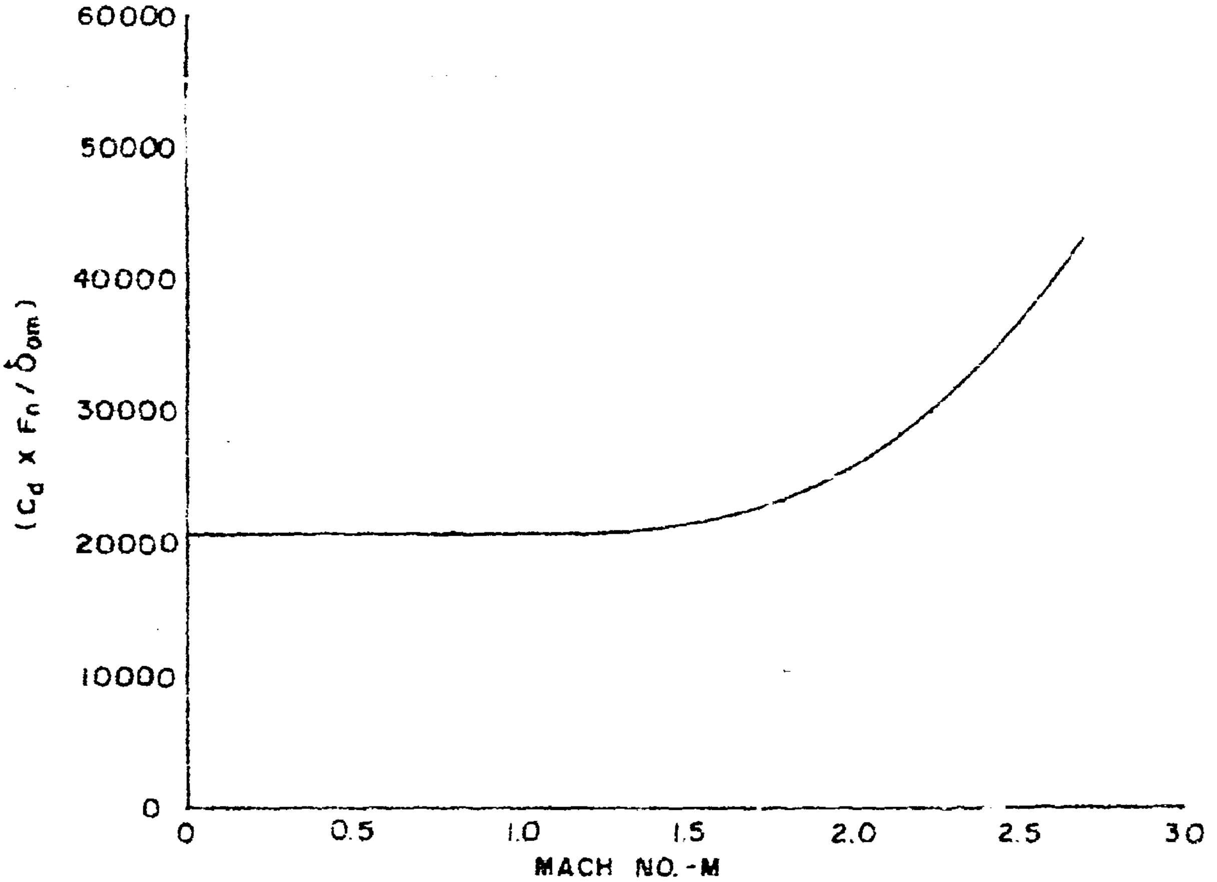
ENGINE MODEL STF 219B

ESTIMATED THRUST CORRECTION FACTOR DUE TO DUCT LOSS AT IDLE

U S STANDARD ATMOSPHERE - 1962 (GEOM.) RAM RECOVERY PER MIL-E-5008 B



DATE 10-15-64 CONFIDENTIAL CURVE NO. T-1688
SHEET 30

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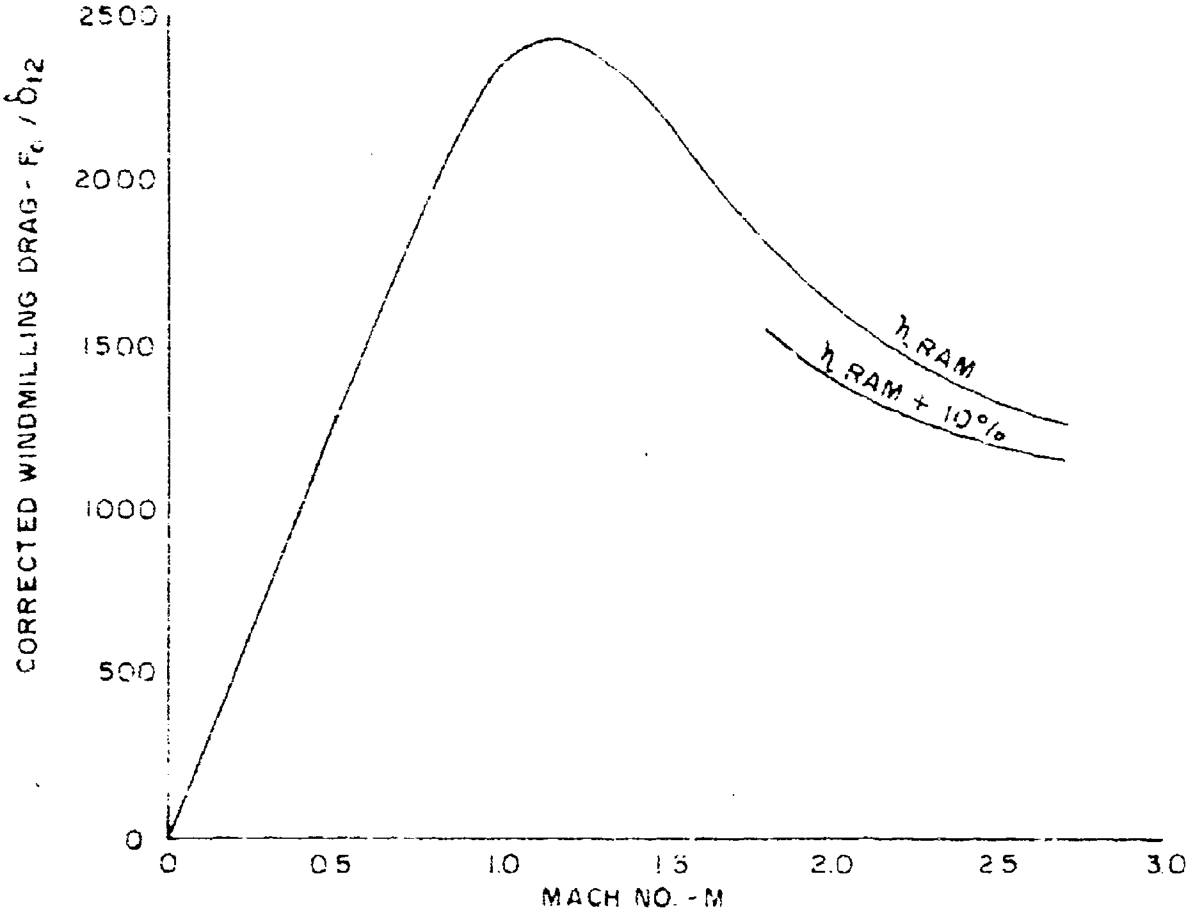
ENGINE MODEL STF 219B
ESTIMATED FREE WINDMILLING CORRECTED DRAG

U.S. STANDARD ATMOSPHERE - 1962 (GEOM)   RAM RECOVERY PER MIL-E-5008B



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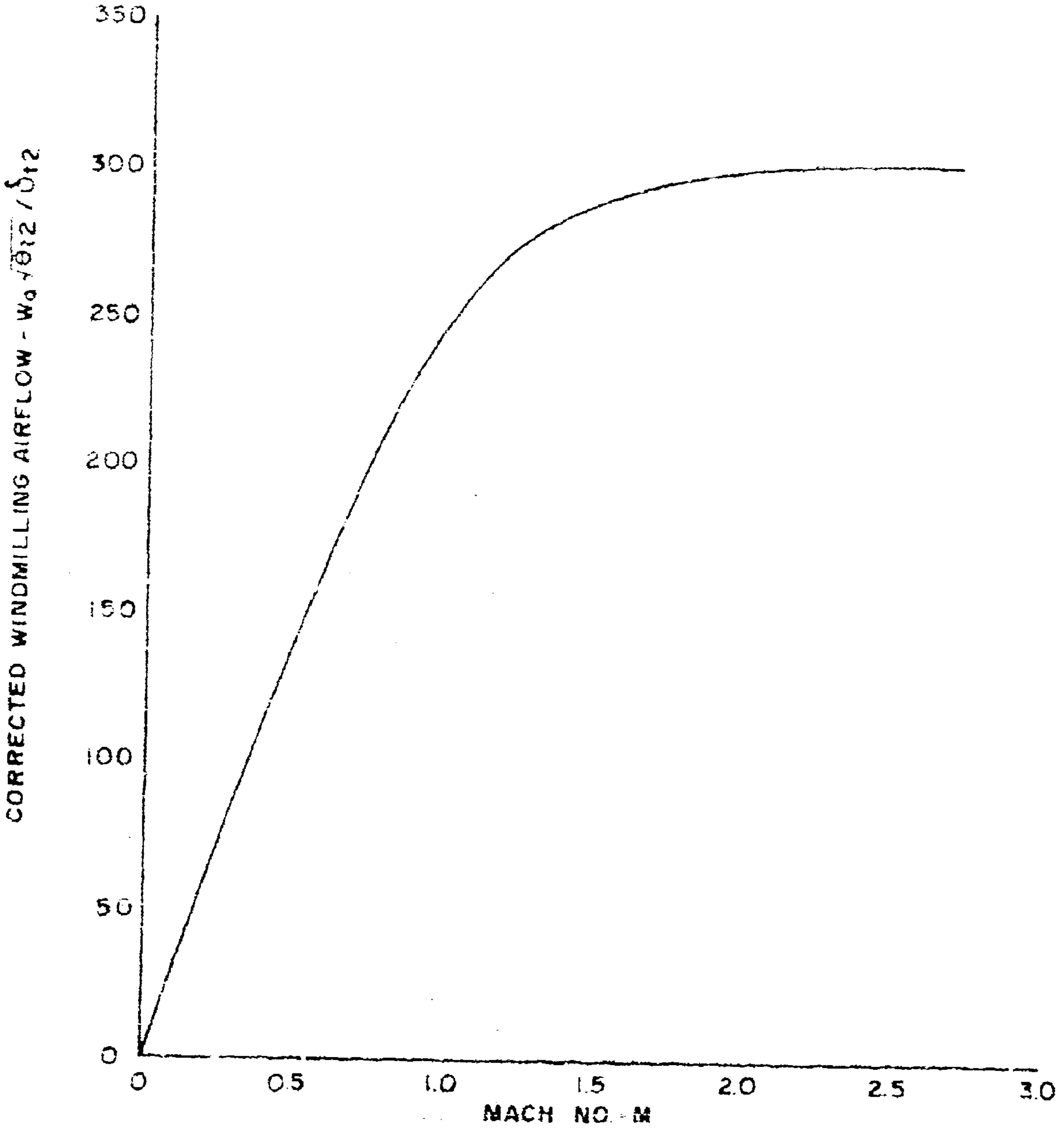
ENGINE MODEL STF 219B
ESTIMATED FREE WINDMILLING CORRECTED AIRFLOW

U.S. STANDARD ATMOSPHERE-1962(GEOM)   RAM RECOVERY PER MIL-E-5008B



DATE   CONFIDENTIAL   CURVE NO. T-1688
SHEET 32

DECLASSIFIED AFTER 12 YEARS
DOD DIR 5200.10
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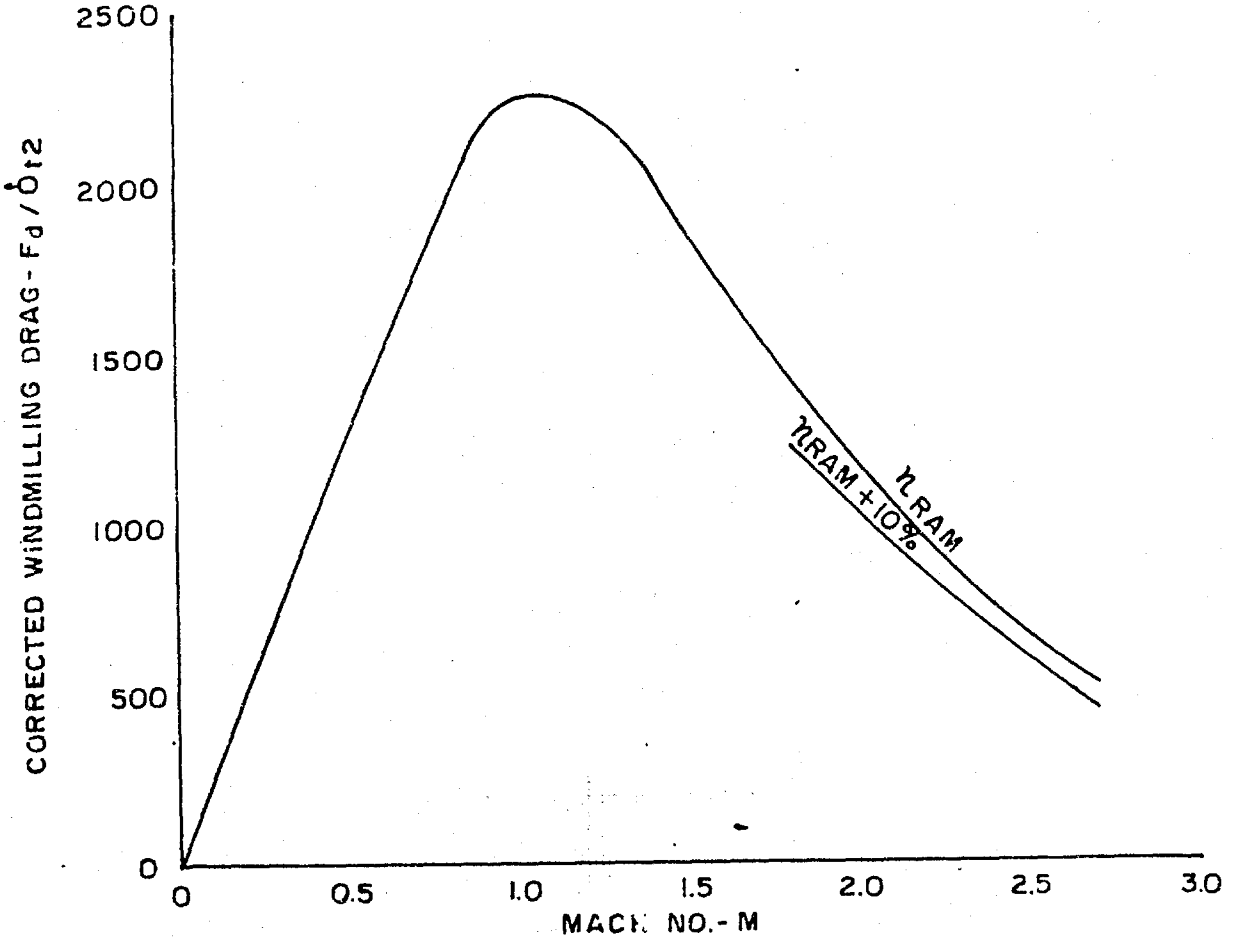
ENGINE MODEL STF 219B
ESTIMATED WINDMILLING CORRECTED DRAG WITH SPEED BRAKE ON

U. S. STANDARD ATMOSPHERE-1962 (GEOM.) RAM RECOVERY PER MIL-E-5008B



DATE 10-15-64

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CURVE 33

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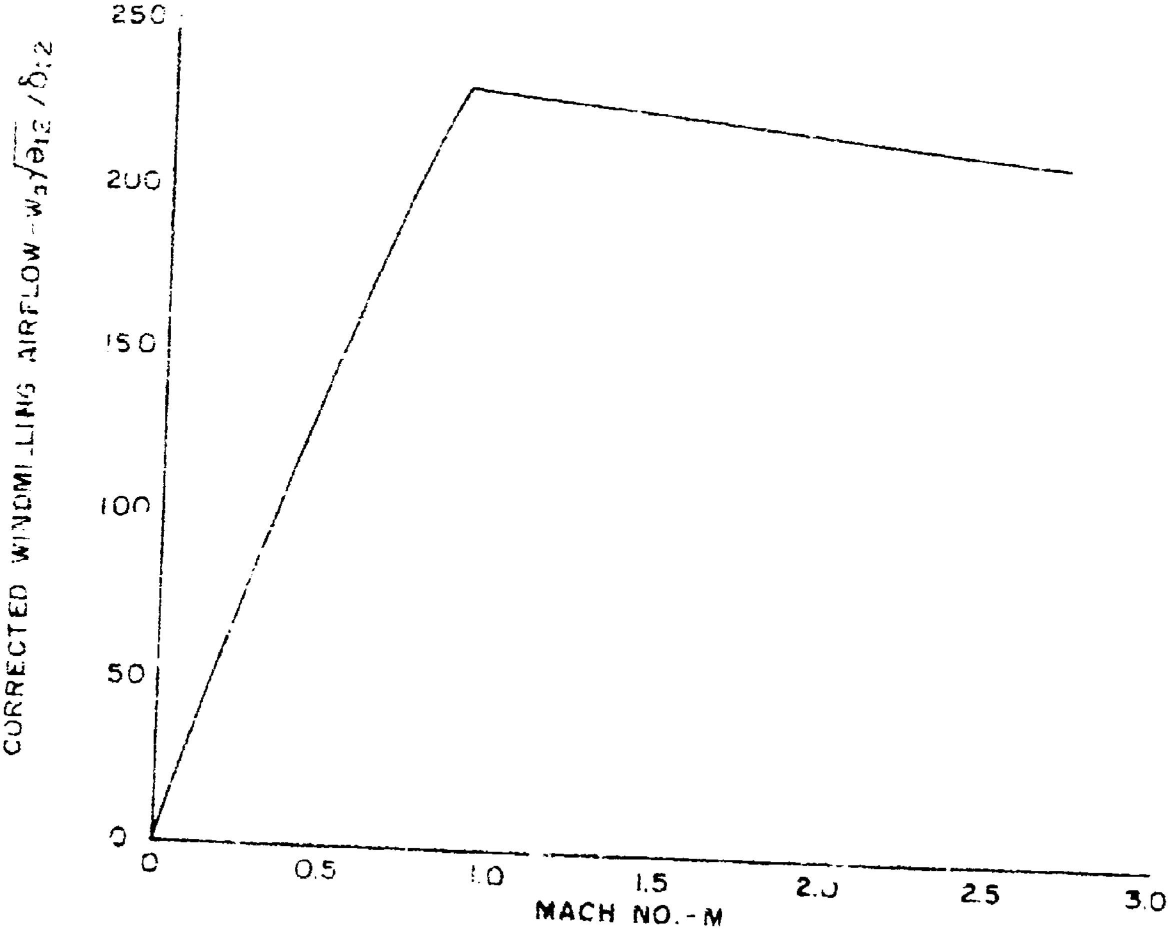
ENGINE MODEL STF 219B
ESTIMATED WINDMILLING CORRECTED AIRFLOW WITH SPEED BRAKE ON

U.S. STANDARD ATMOSPHERE-1962 (GEOM)

RAM RECOVERY PER MIL-E-5008B



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SHEET 34

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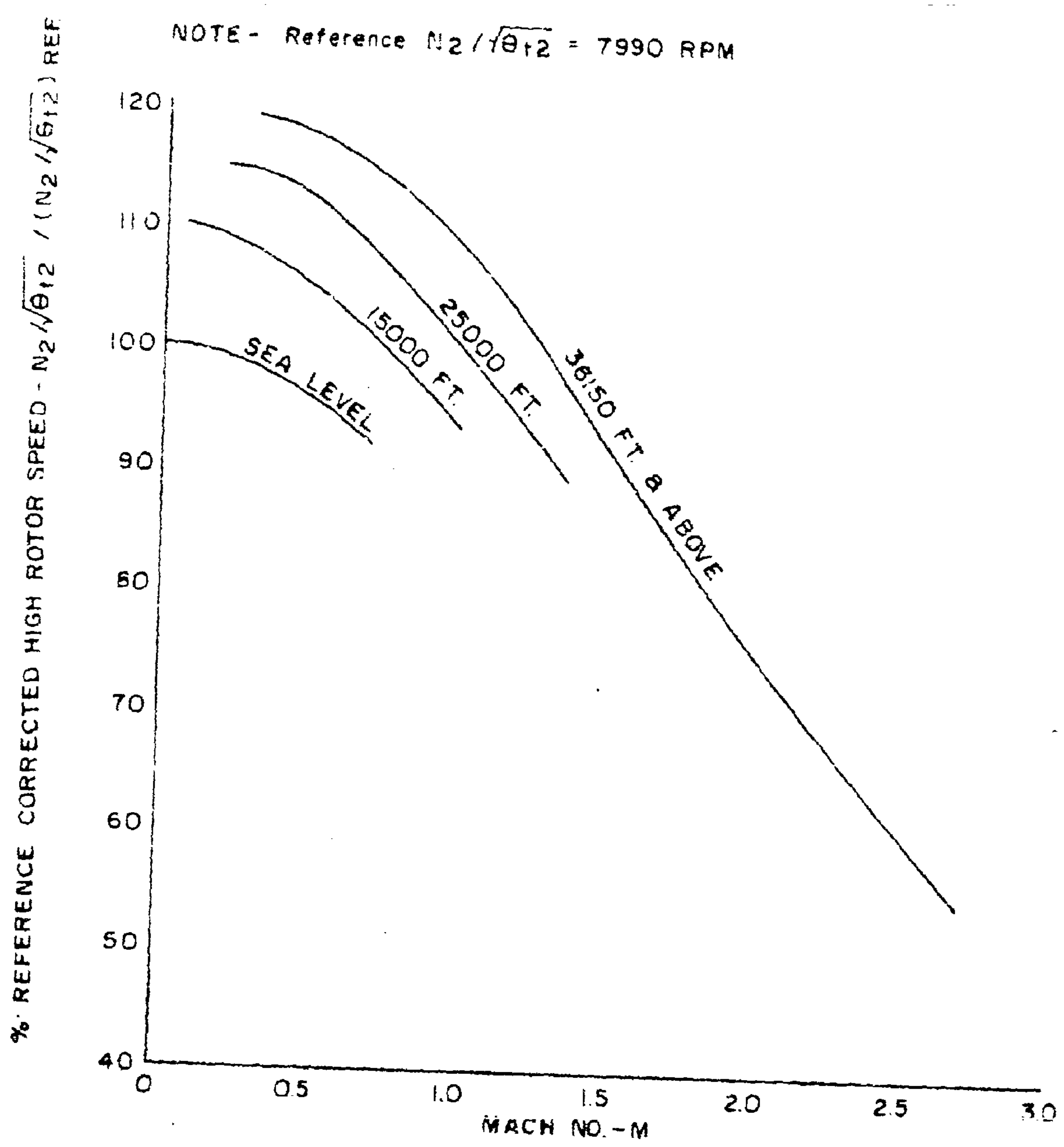
ENGINE MODEL STF 219B
ESTIMATED HIGH ROTOR SPEED

TAKE-OFF & MAXIMUM THRUST
U.S. STANDARD ATMOSPHERE - 1962 (GEOM.)

BASE AIRFLOW SCHEDULE
RAM RECOVERY PER MIL-E-5008B



NOTE - Reference $N_2/\sqrt{\theta_{t2}}$ = 7990 RPM

DATE 10-15-64

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CURVE NO. T-1688
SHEET 35

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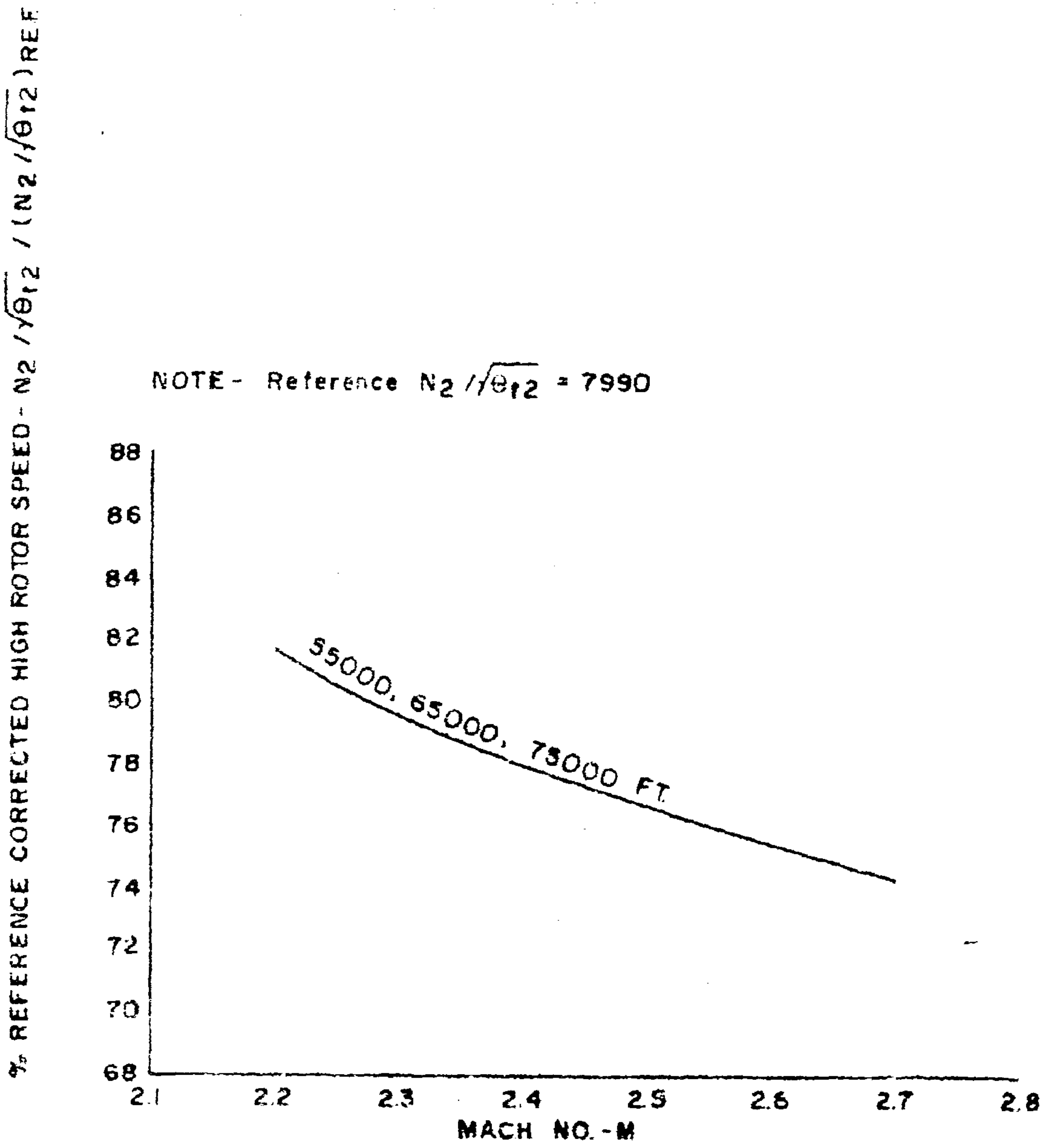
DOD DIR 5200.10

ENGINE MODEL STF 219B
ESTIMATED HIGH ROTOR SPEED

MAXIMUM CRUISE
U.S. STANDARD ATMOSPHERE-1962 (GEOM)

BASE AIRFLOW SCHEDULE
RAM RECOVERY PER MIL-E-5008 B

NOTE- Reference $N_2/\sqrt{\theta_{t2}}$ = 7990



DATE 10-15-64

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SHEET 36

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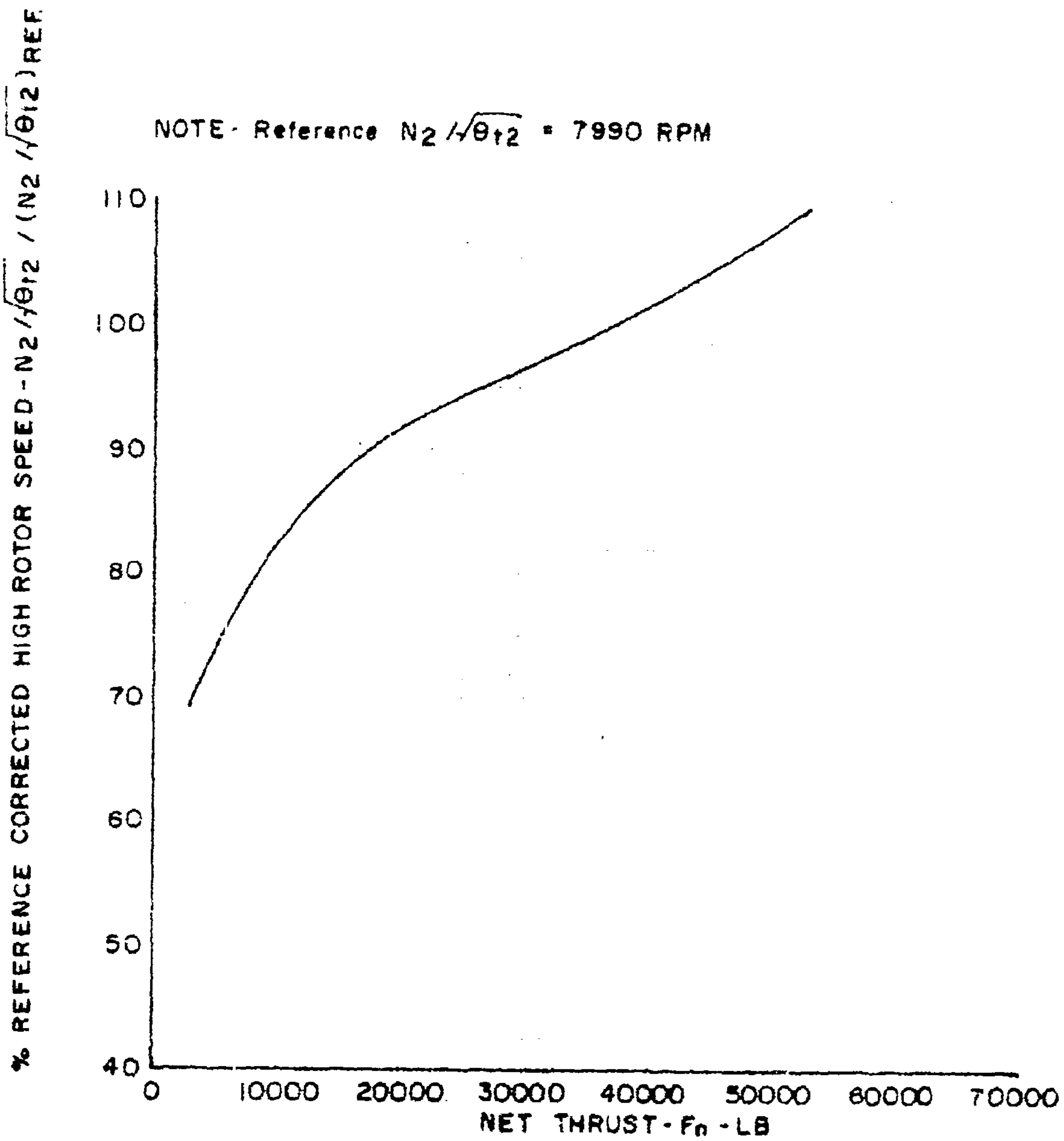
DOD DIR 5200.10

ENGINE MODEL STF 219B

ESTIMATED HIGH ROTOR SPEED

SUBSONIC PART POWER

U.S. STANDARD ATMOSPHERE - 1962 (GEOM.) RAM RECOVERY PER MIL-E-5008B



NOTE - Reference $N_2/\sqrt{\theta_{t2}}$ = 7990 RPM

DATE 10-15-64

CURVE NO. T-1688

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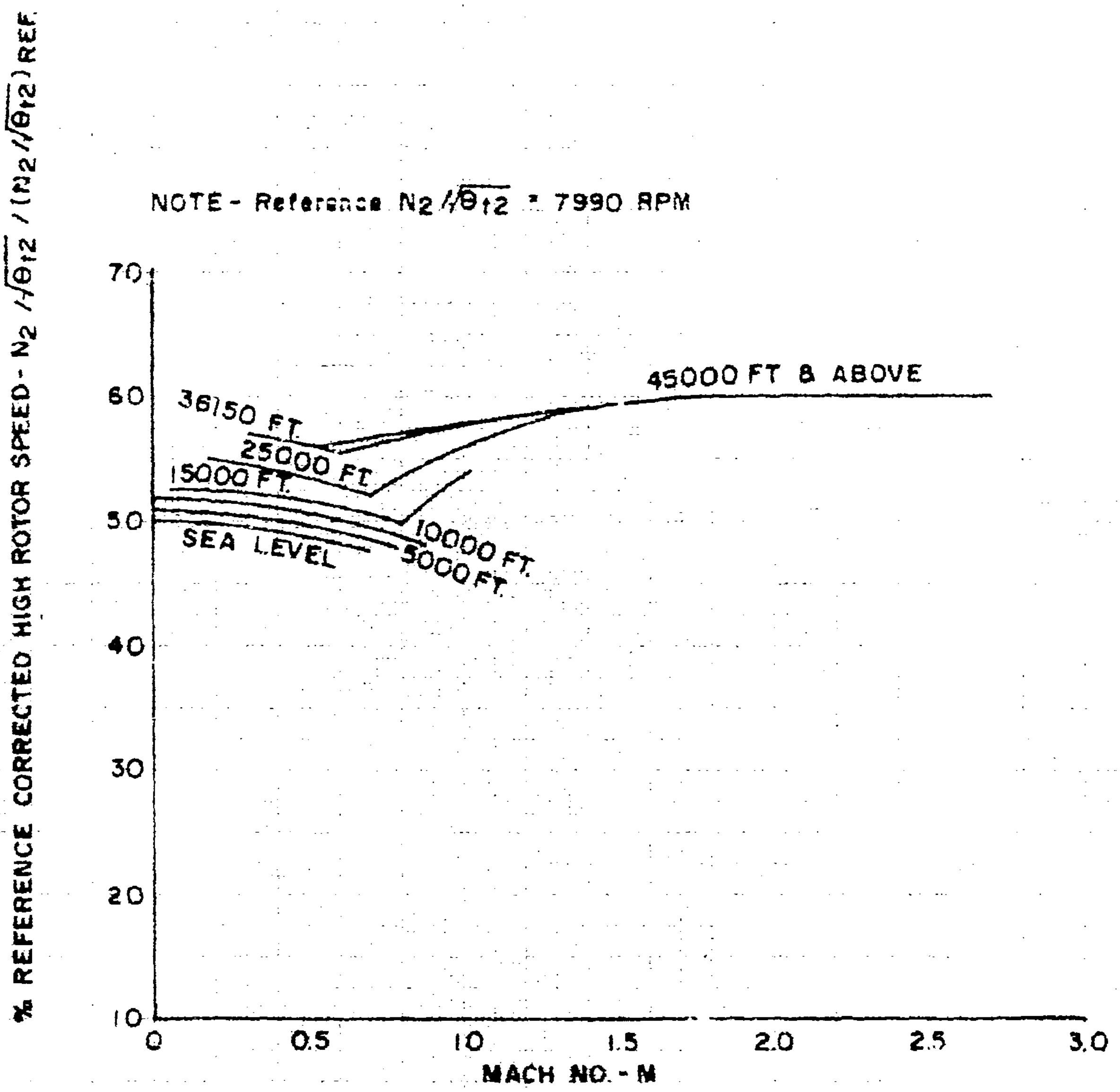
ENGINE MODEL STF 219B
ESTIMATED HIGH ROTOR SPEED
IDLE

U.S. STANDARD ATMOSPHERE - 1962 (GEOM.) RAM RECOVERY PER MIL-E-5008 B



NOTE - Reference $N_2/\sqrt{\theta_{t2}}$ = 7990 RPM

DATE 10-15-64 CONFIDENTIAL CURVE NO. T-1688
SHEET 38

DECLASSIFIED AFTER 12 YEARS
DOD DIR 5200.10
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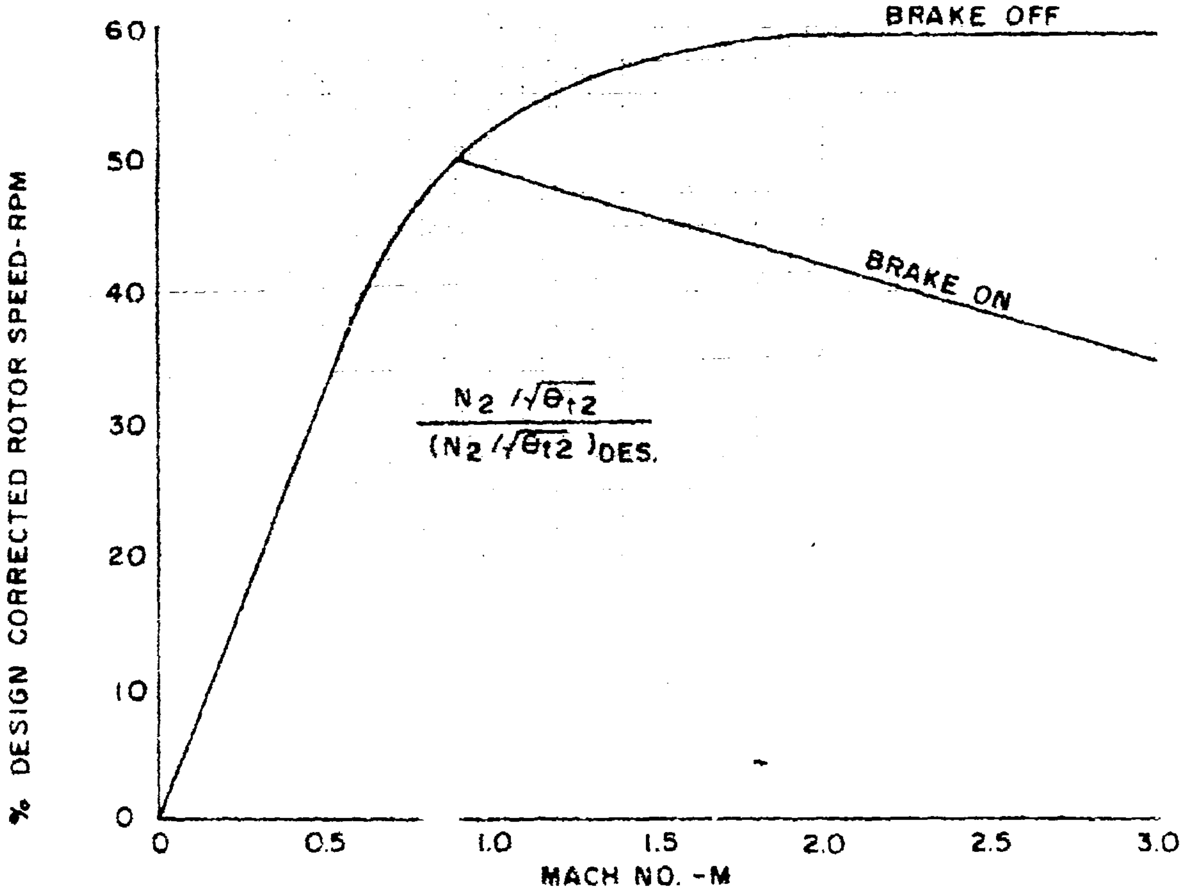
ENGINE MODEL STF 219B
ESTIMATED CORRECTED WINDMILLING ROTOR SPEED

U.S. STANDARD ATMOSPHERE -1962(GEOM.)   RAM RECOVERY PER MIL-E-5008B

NOTE - Design corrected high rotor speed - $N_2/\sqrt{\theta_{t2}}$ = 7990 RPM



DATE 10-15-64

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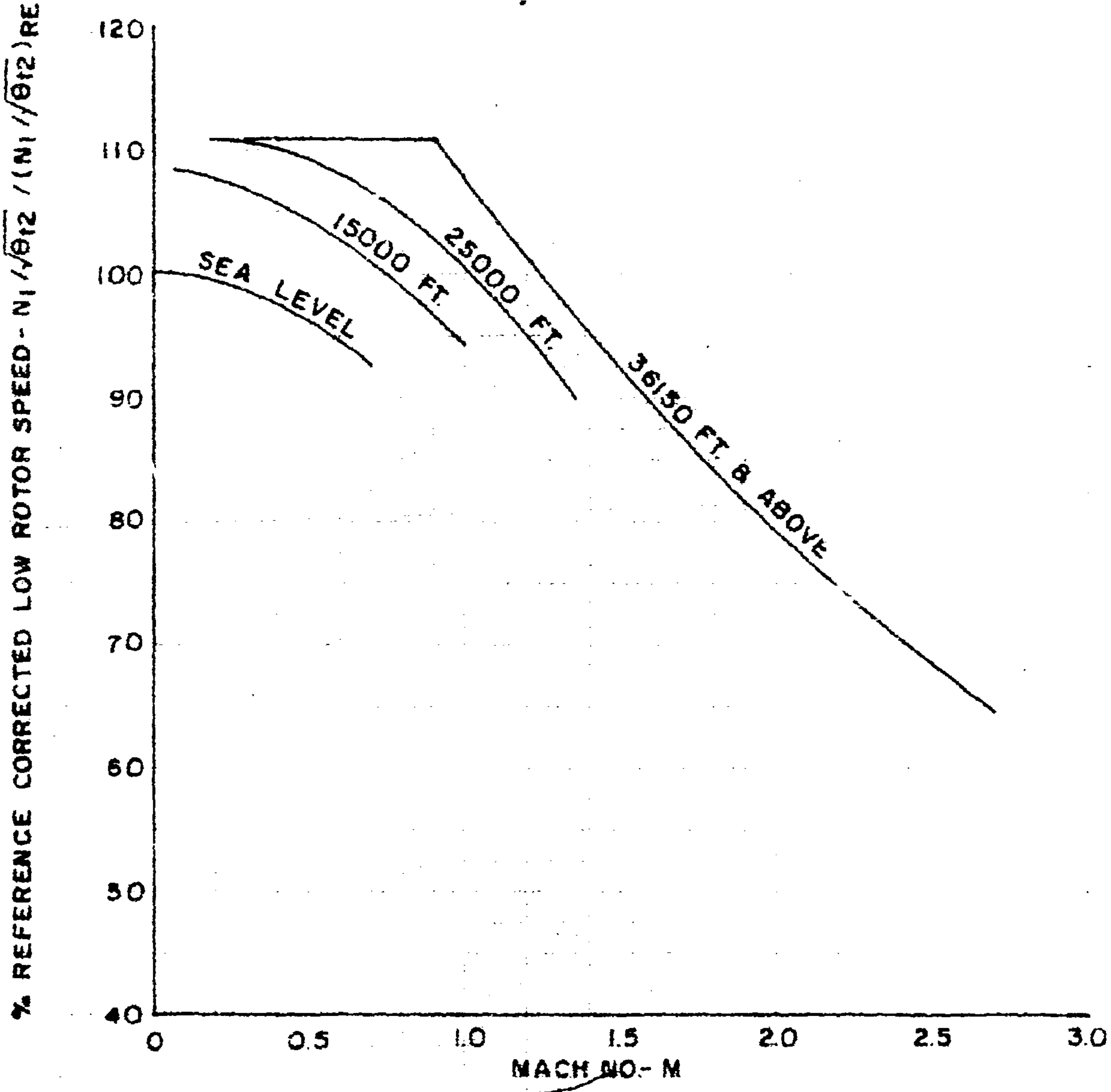
ENGINE MODEL STF 219B

ESTIMATED LOW ROTOR SPEED

TAKE-OFF & MAXIMUM THRUST
U.S. STANDARD ATMOSPHERE-1962 (GEOM.)

BASE AIRFLOW SCHEDULE
RAM RECOVERY PER MIL-E-5008 B

NOTE- Reference $N_1/\sqrt{\theta_{t2}}$ = 5910 RPM



DATE 10-15-64

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SHEET 40

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DOD DIR 5200.10

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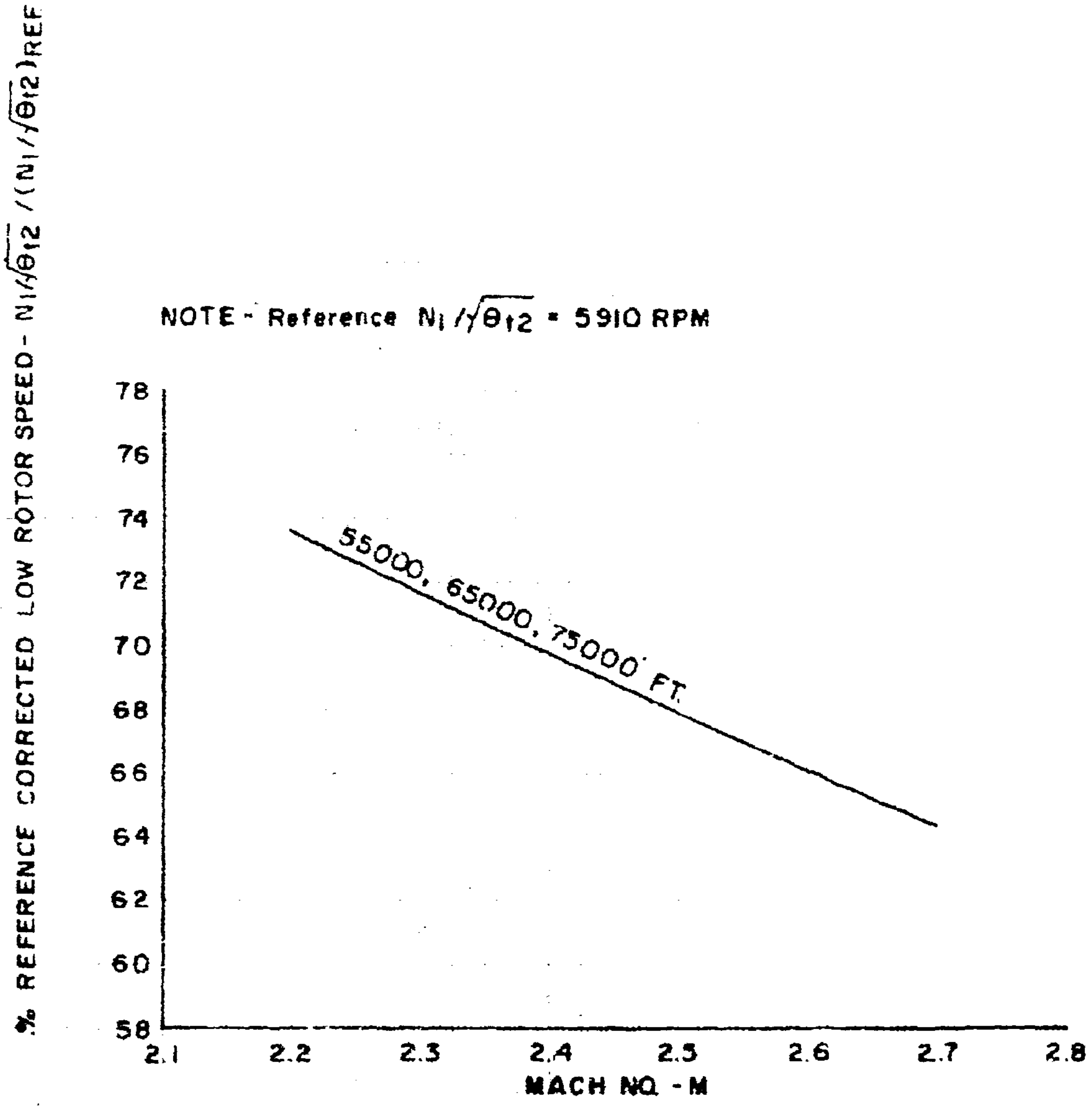
Pratt & Whitney Aircraft

ENGINE MODEL STF 219B
ESTIMATED LOW ROTOR SPEED

MAXIMUM CRUISE
U. S. STANDARD ATMOSPHERE - 1962 (GEOM.)

BASE AIRFLOW SCHEDULE
RAM RECOVERY PER MIL-E-5008 B



NOTE - Reference $N_1/\sqrt{\theta_{t2}}$ = 5910 RPM

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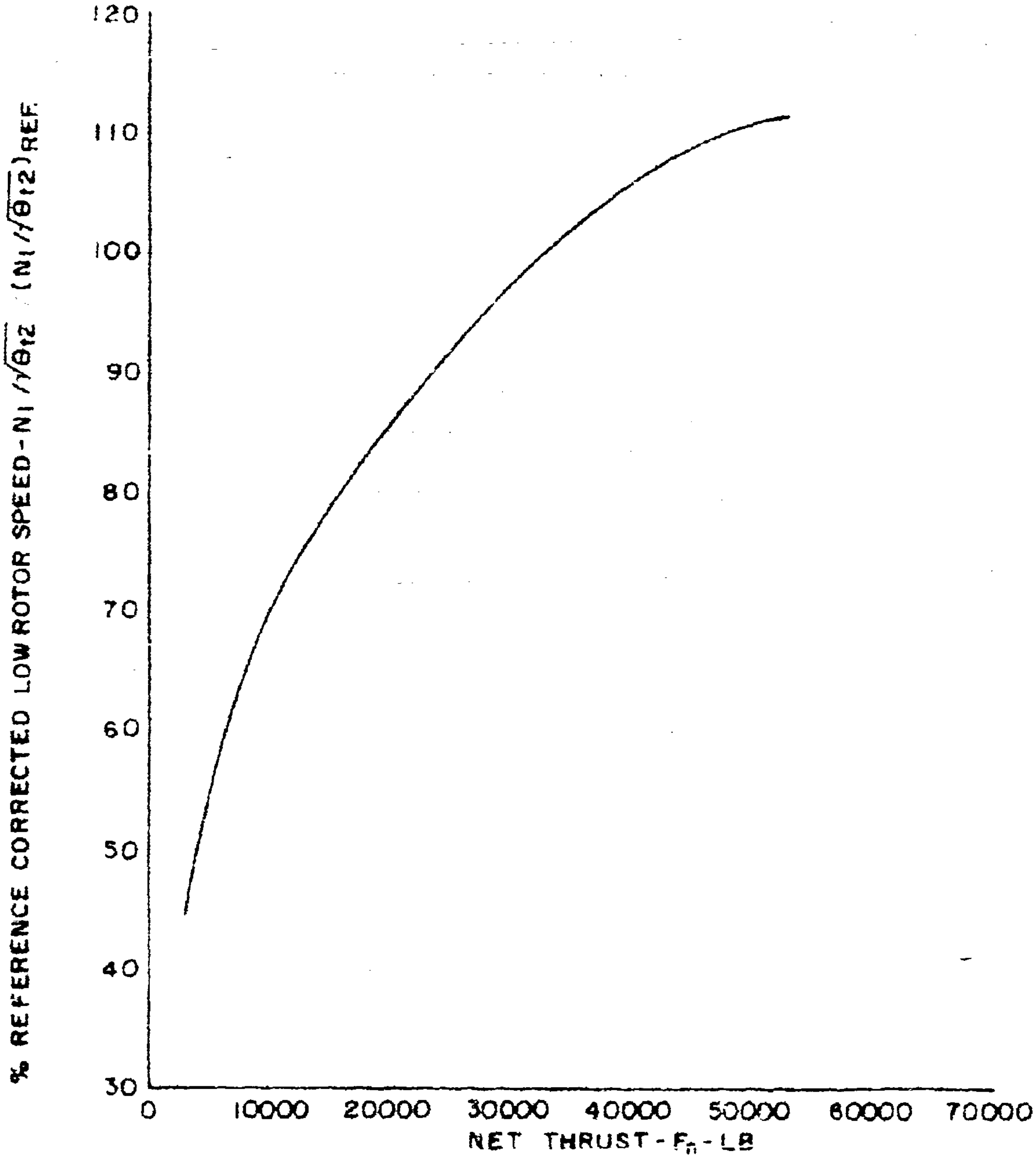
Pratt & Whitney Aircraft

ENGINE MODEL STF 219B
ESTIMATED LOW ROTOR SPEED
SUBSONIC PART POWER

U. S. STANDARD ATMOSPHERE -1962 (GEOM.) RAM RECOVERY PER MIL-E-5008B

NOTE - Reference $N_1/\sqrt{\theta_{t2}}$ = 5910 RPM



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SHEET 42

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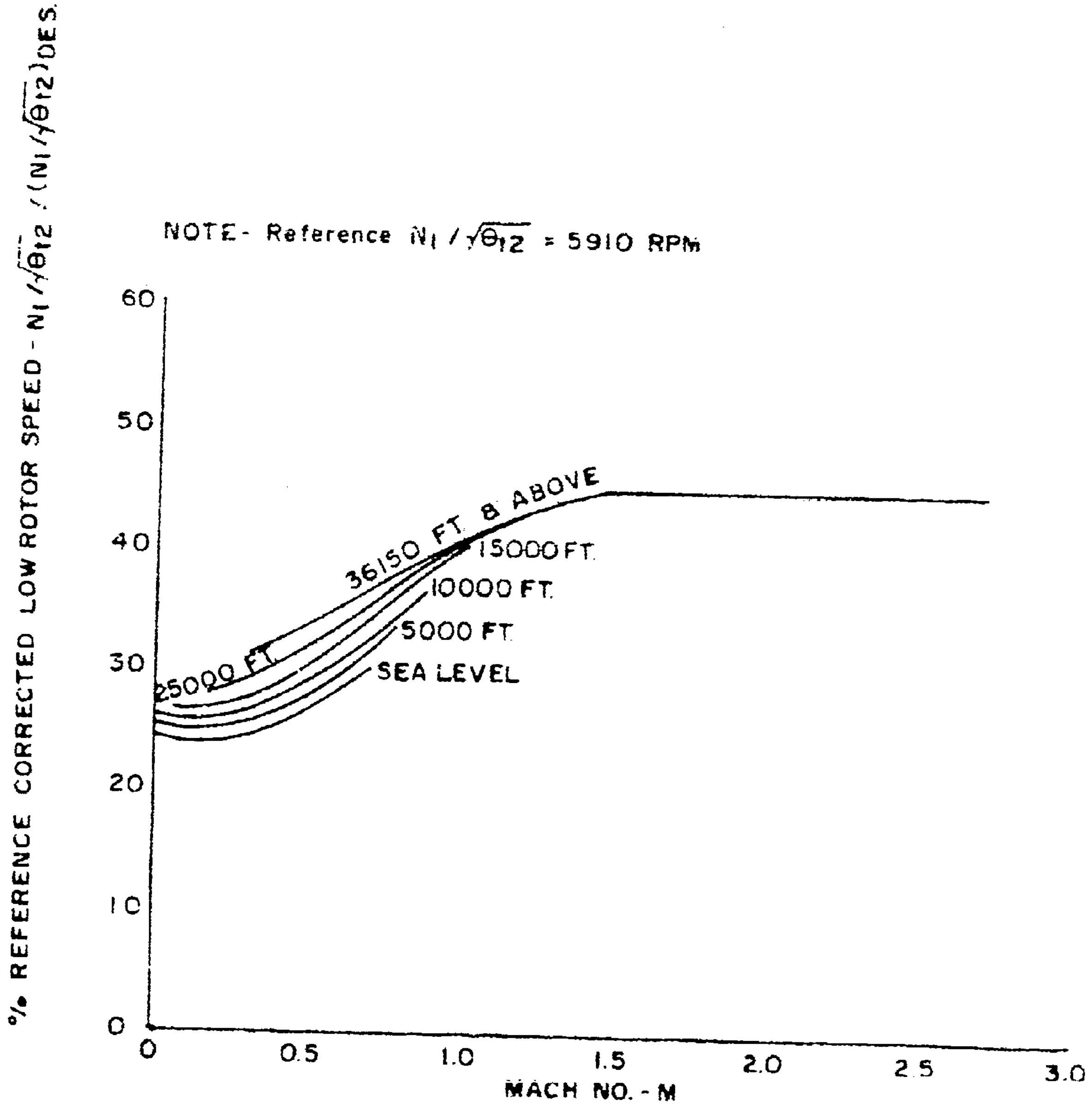
ENGINE MODEL STF 219B
ESTIMATED LOW ROTOR SPEED
IDLE

U.S. STANDARD ATMOSPHERE-1962 (GEOM.) RAM RECOVERY PER MIL-E-5008B



NOTE- Reference $N_1/\sqrt{\theta_{T2}}$ = 5910 RPM

DATE 10-15-64

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CURVE NO. T-1688
SHEET 43

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DOD DIR 5200.10

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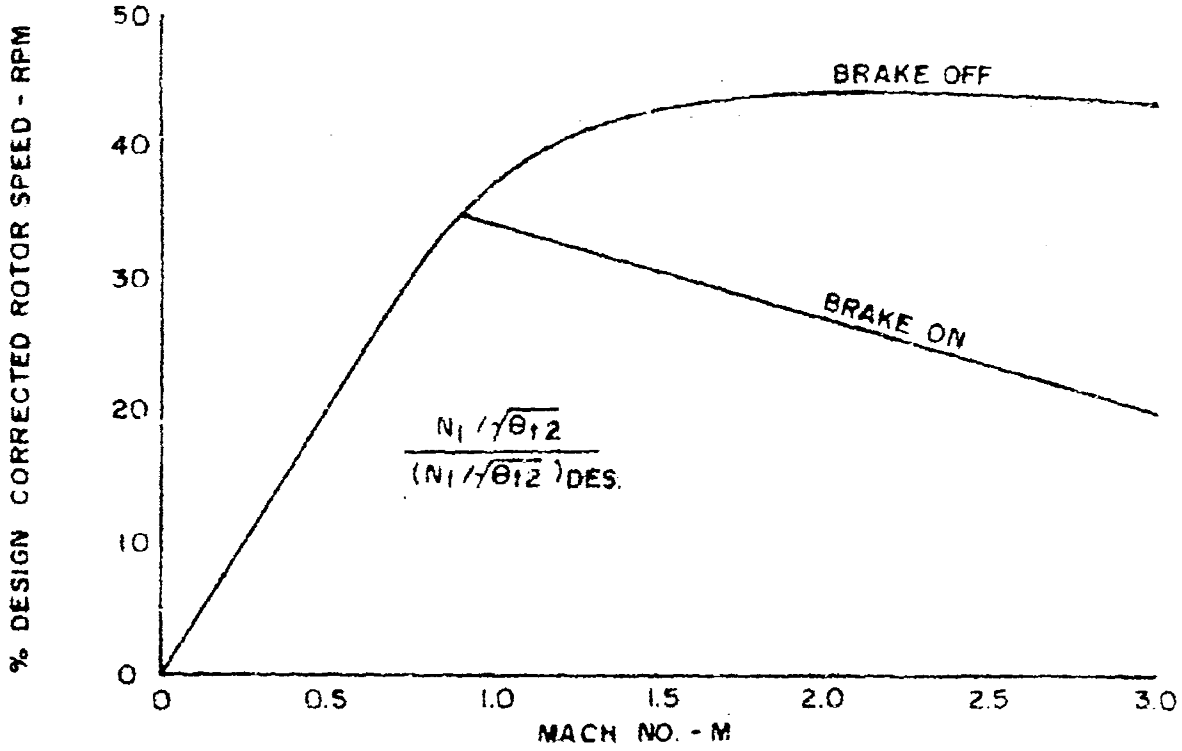
ENGINE MODEL STF 219B
ESTIMATED CORRECTED WINDMILLING ROTOR SPEED

U. S. STANDARD ATMOSPHERE-1962 (GEOM.)   RAM RECOVERY PER MIL-E-5008B

NOTE- Design corrected low rotor speed - $N_1/\sqrt{\theta_{t2}}$ = 5910 RPM



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SHEET 44

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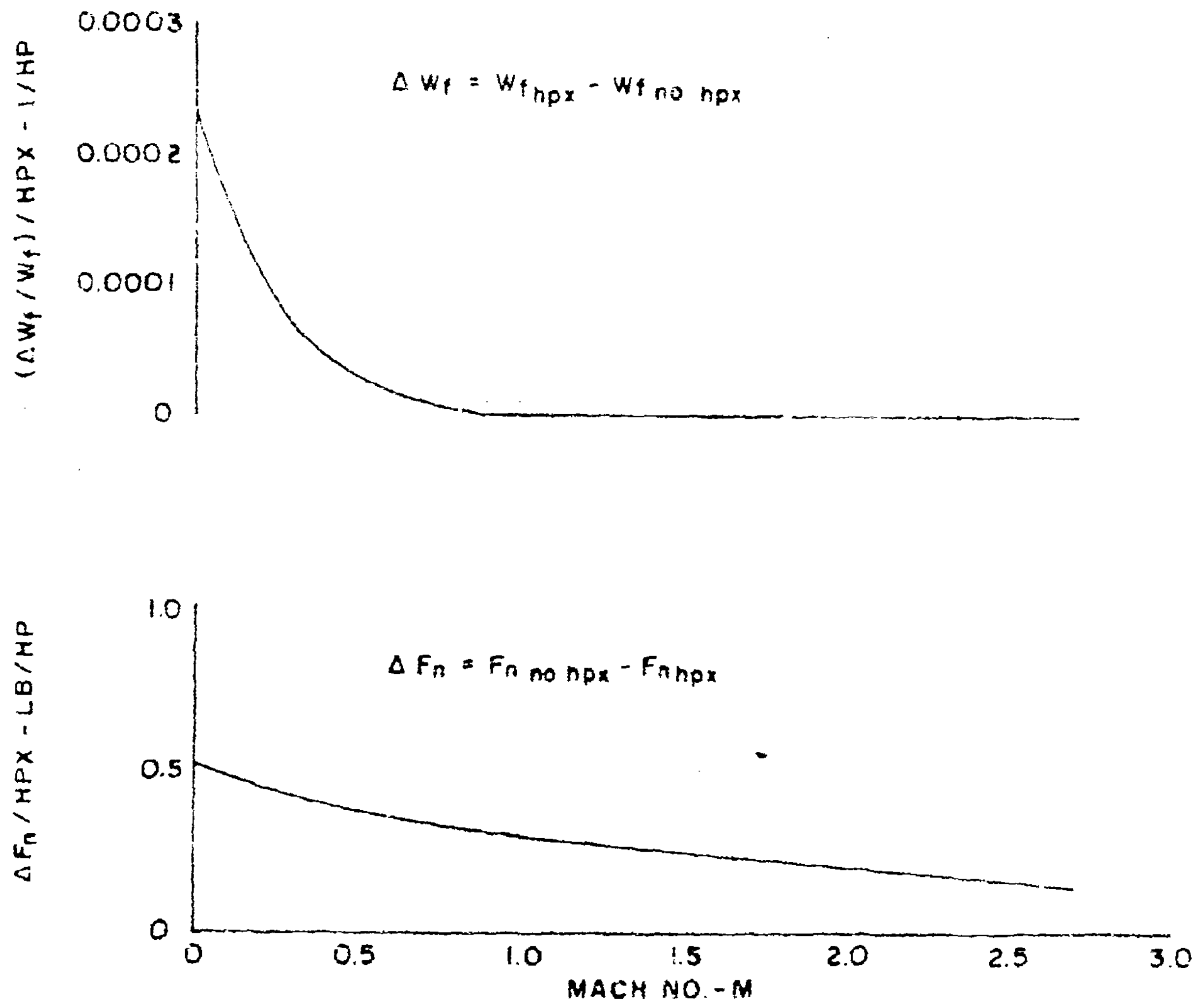
ENGINE MODEL STF 219B
ESTIMATED THRUST & FUEL FLOW CORRECTIONS DUE TO POWER EXTRACTIONS AT IDLE

U.S. STANDARD ATMOSPHERE-1962(GEOM.) RAM RECOVERY PER MIL-E-5008B



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CURVE 45

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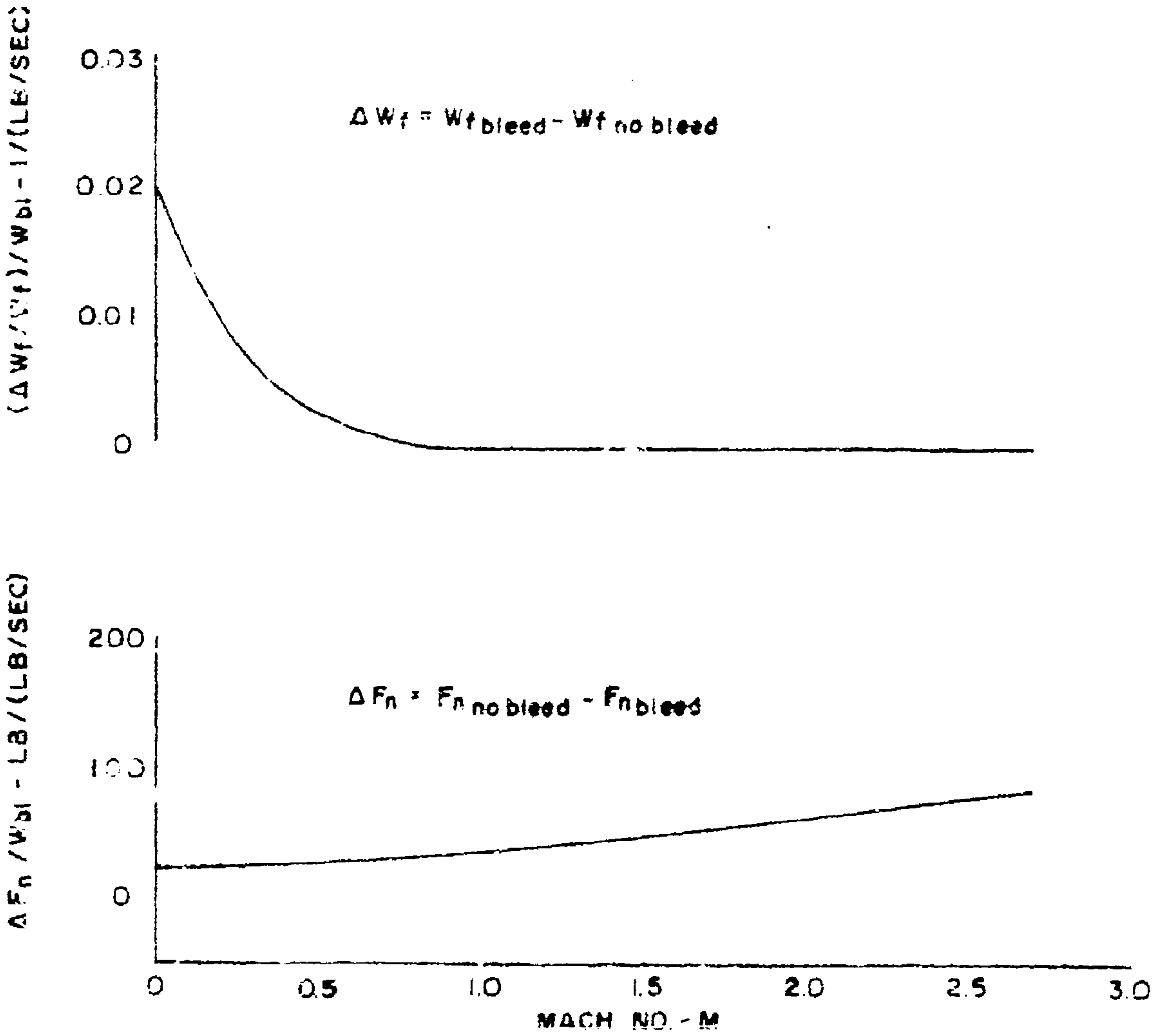
ENGINE MODEL STF 219B
ESTIMATED THRUST & FUEL FLOW CORRECTIONS DUE TO FAN DUCT AIRBLEED AT IDLE

U.S. STANDARD ATMOSPHERE - 1962 (GEOM.)

RAM RECOVERY PER MIL-E-5008B



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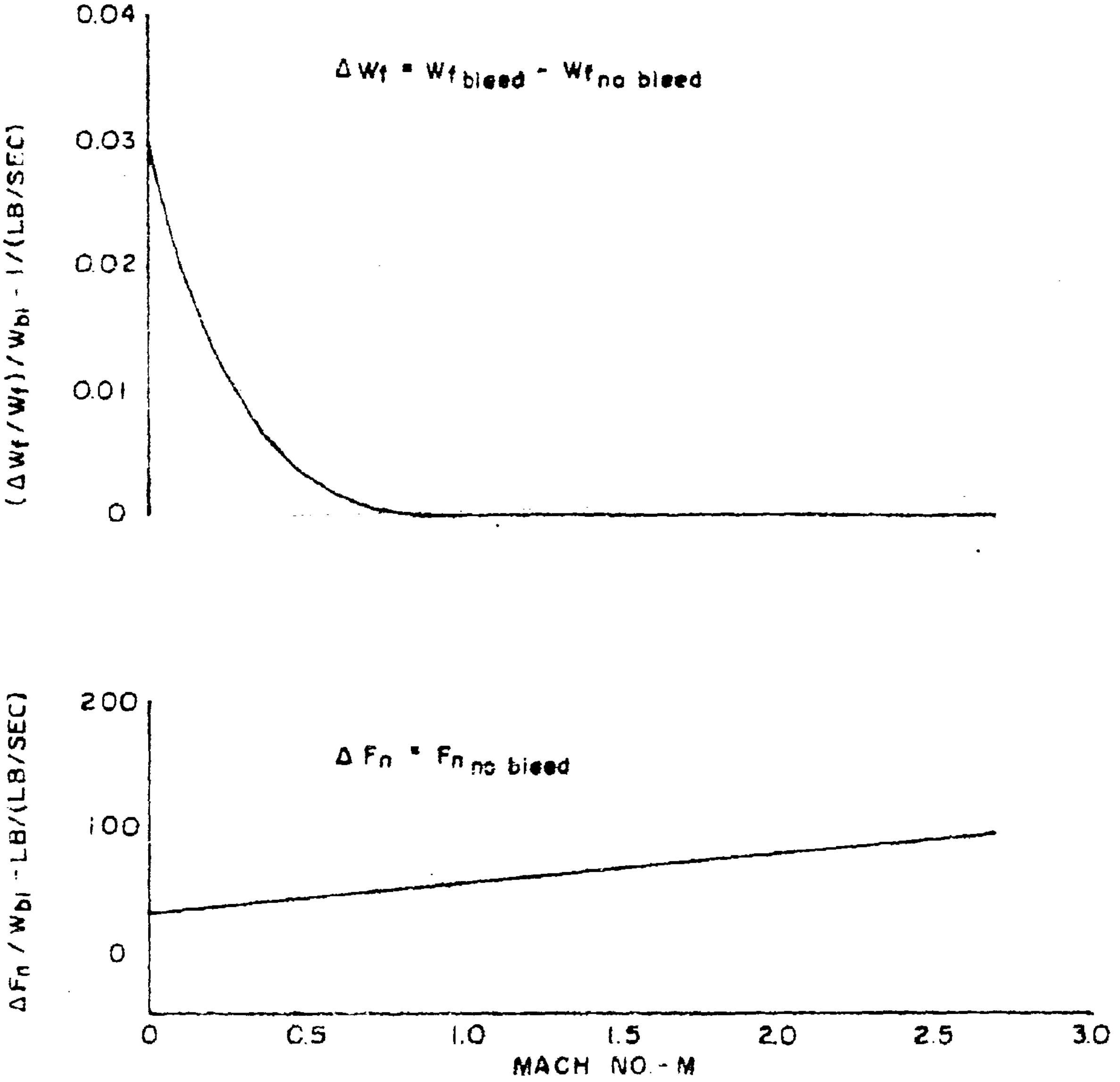
CURVE NO. T-1688
SHEET 46

DECLASSIFIED AFTER 12 YEARS
DOD DIR 5200.10

ENGINE MODEL STF 219B

ESTIMATED THRUST & FUEL FLOW CORRECTIONS DUE TO HIGH PRESSURE AIRBLEED AT IDLE

U.S. STANDARD ATMOSPHERE-1962 (GEOM.) RAM RECOVERY PER MIL-E-5008B



DATE 10-15-64

DECLASSIFIED AFTER 12 YEARS
DOD DIR 5200.10

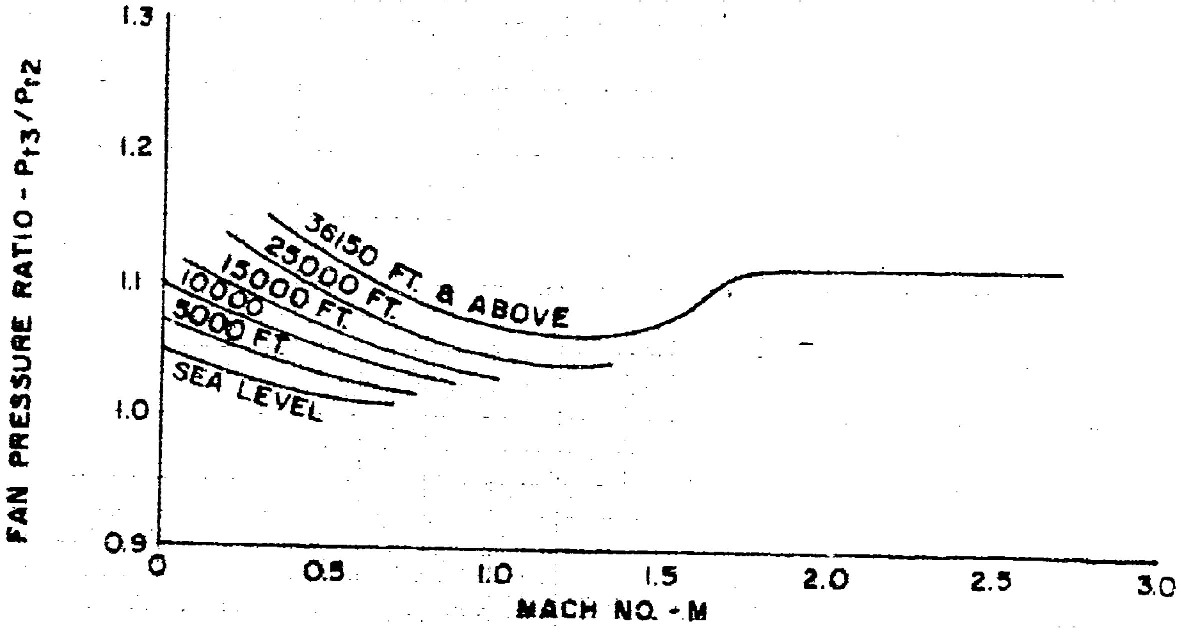
ENGINE MODEL STF 219 B

ESTIMATED FAN DUCT BLEED SYSTEM PRESSURE RATIO AT IDLE

ZERO BLEED FLOW

U.S. STANDARD ATMOSPHERE - 1962 (GEOM.)

RAM RECOVERY PER MIL-E-5008-B



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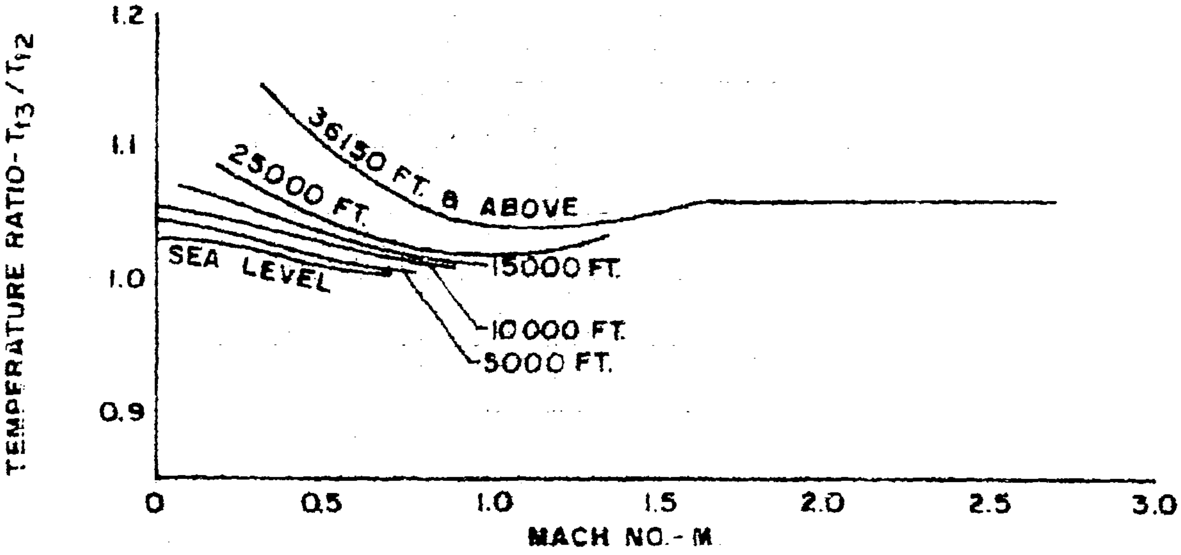
DOD DIR 5200.10

ENGINE MODEL STF 219B
ESTIMATED FAN DUCT BLEED SYSTEM TEMPERATURE RATIO
AT IDLE
ZERO BLEED FLOW

U.S. STANDARD ATMOSPHERE -1962 (GEOM.) RAM RECOVERY PER MIL-E-5008B



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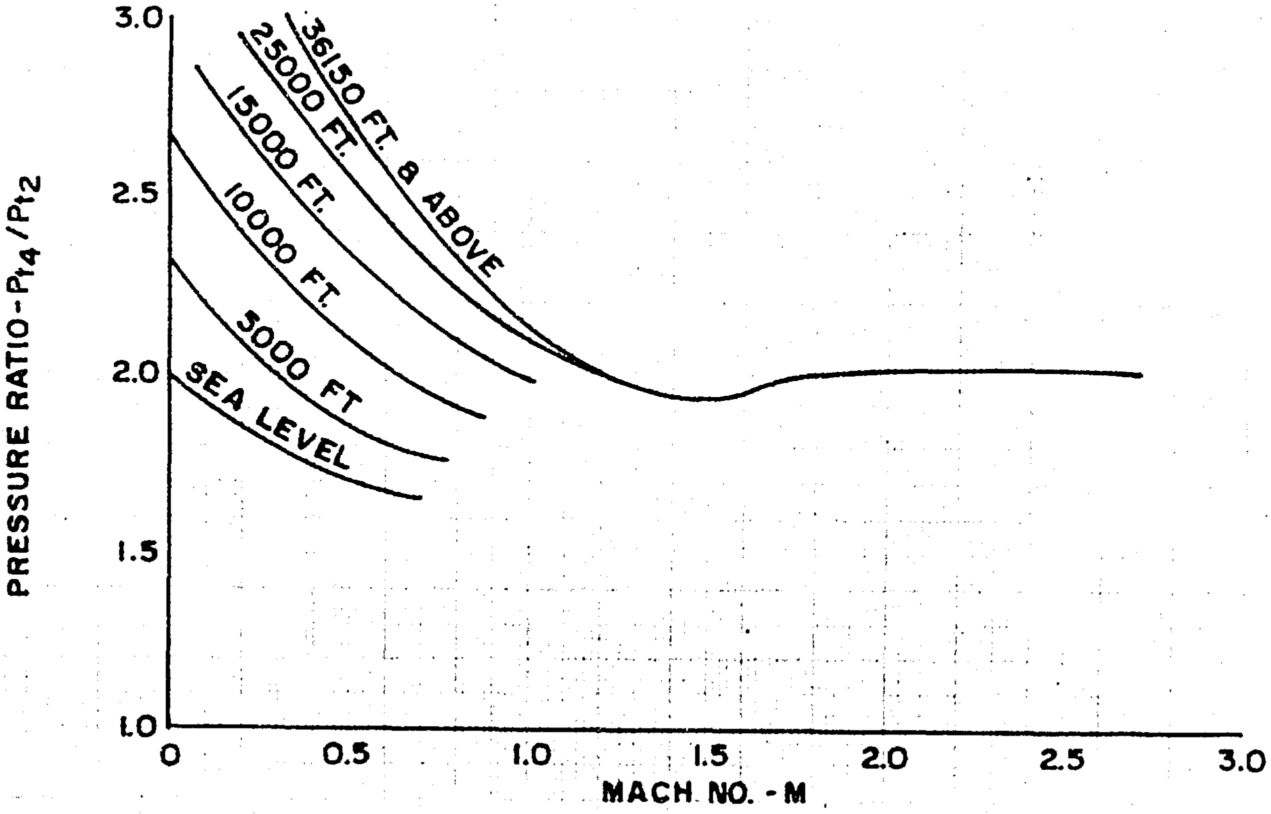
ENGINE MODEL STF 219B
ESTIMATED HIGH PRESSURE BLEED SYSTEM PRESSURE RATIO AT IDLE
ZERO BLEED FLOW

U.S. STANDARD ATMOSPHERE-1962 (GEOM.) RAM RECOVERY PER MIL-E-5008 B



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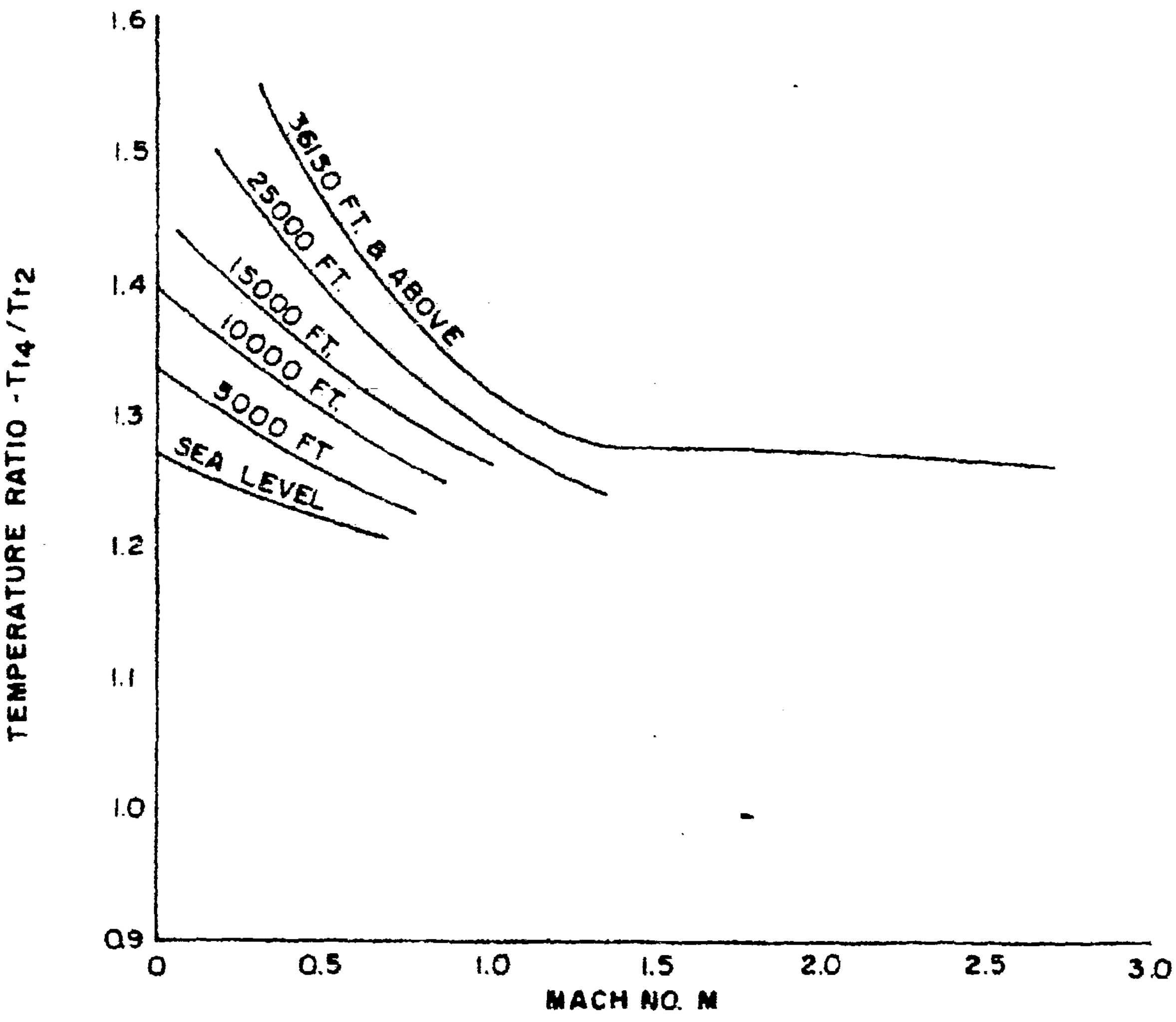
ENGINE MODEL STF 219B

ESTIMATED HIGH PRESSURE BLEED SYSTEM TEMPERATURE RATIO AT IDLE

ZERO BLEED FLOW

U.S. STANDARD ATMOSPHERE-1962 (GEOM.) RAM RECOVERY PER MIL-E-5008B



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CURVE NO. T-1688
SHEET 51

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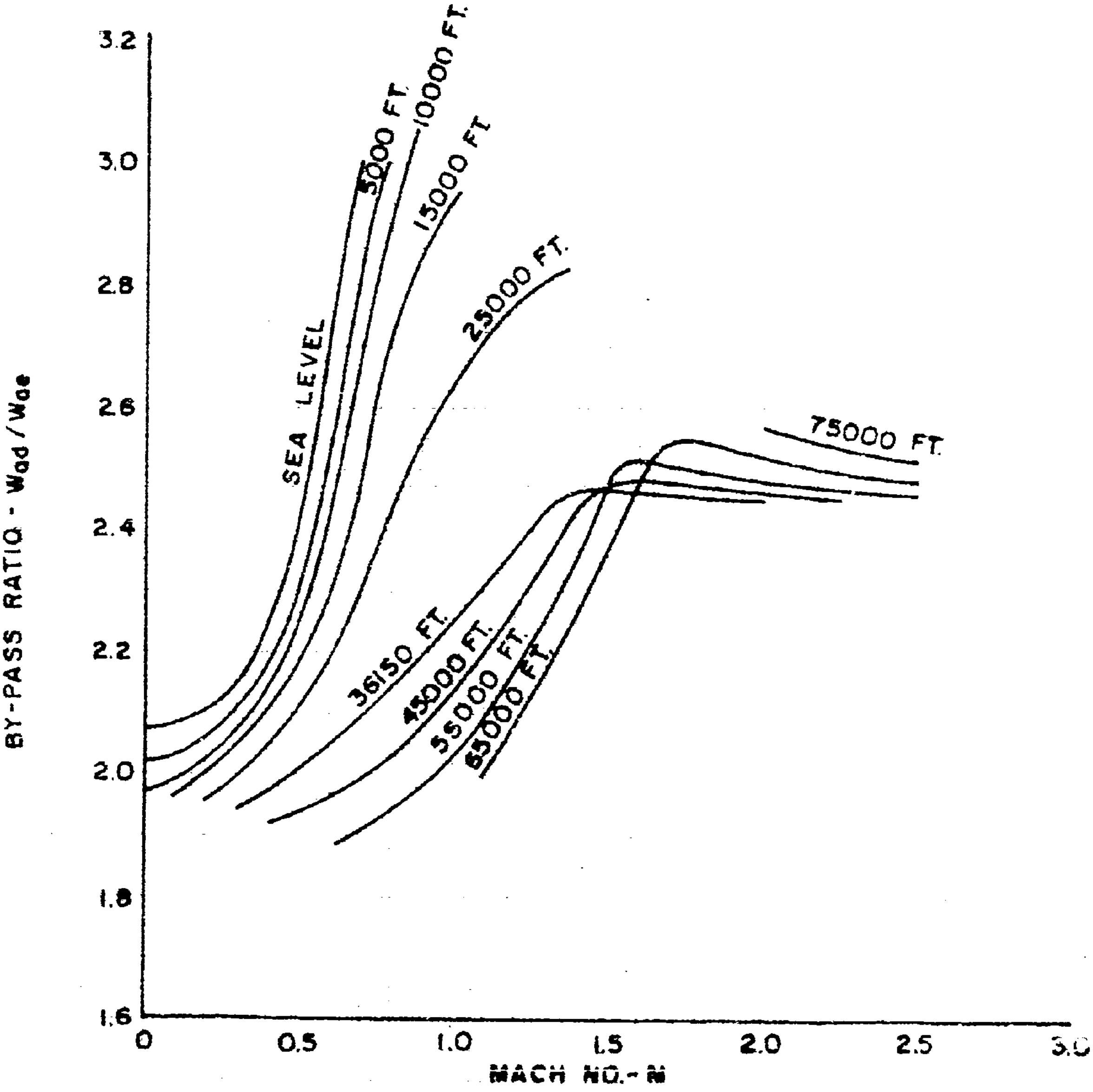
DOD DIR 5200.10

ENGINE MODEL STF 219B
ESTIMATED BY-PASS RATIO AT IDLE
ZERO BLEED FLOW

U.S. STANDARD ATMOSPHERE - 1962 (GEOM.) RAM RECOVERY PER MIL-E-5008B



DATE 10-15-64

CURVE NO. T-1688

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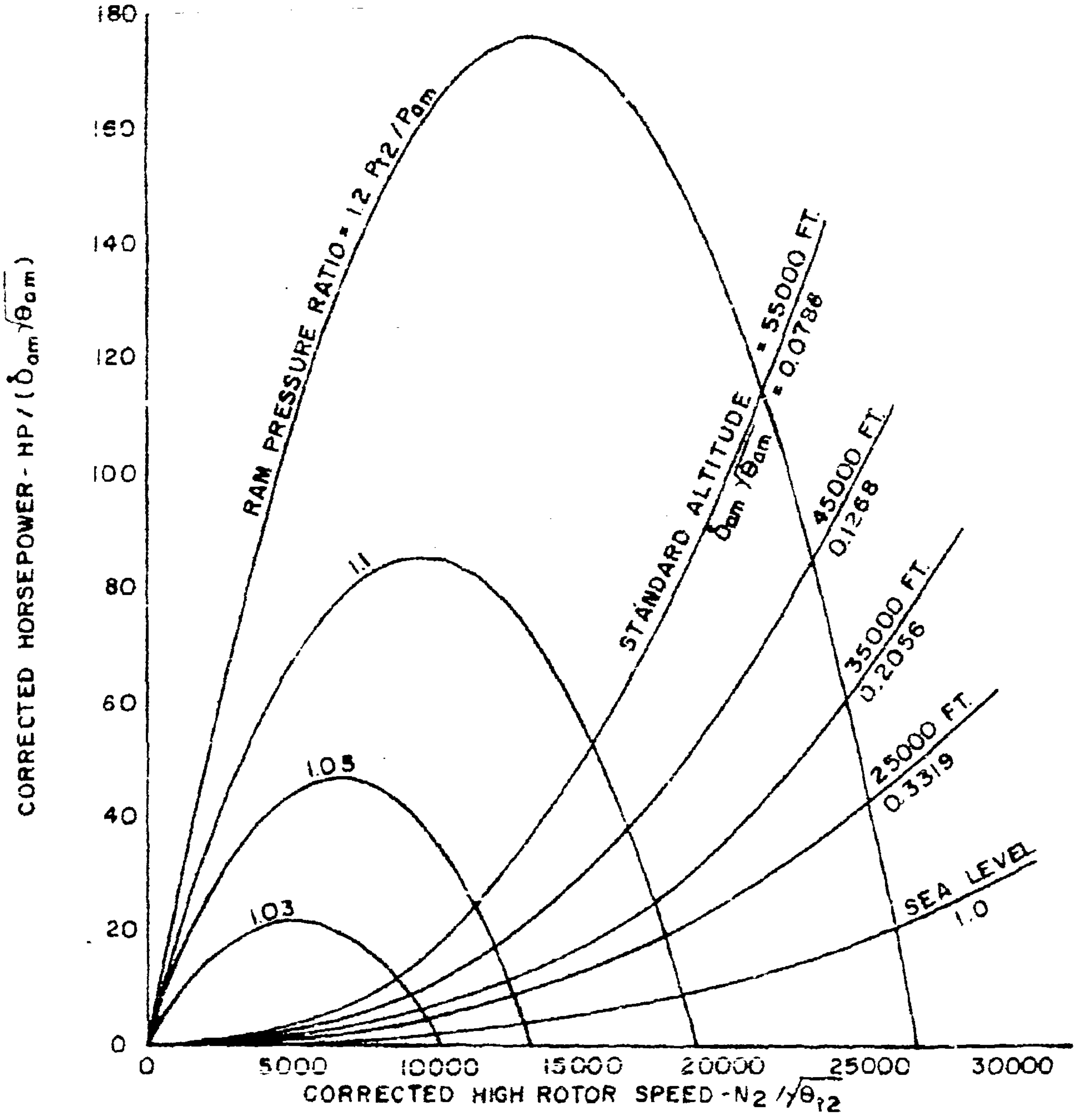
ENGINE MODEL STF 219B
ESTIMATED POWER AVAILABLE FROM HIGH PRESSURE ROTOR WITH ENGINE WINDMILLING

NOTE - Maximum allowable power extraction = 960 HP



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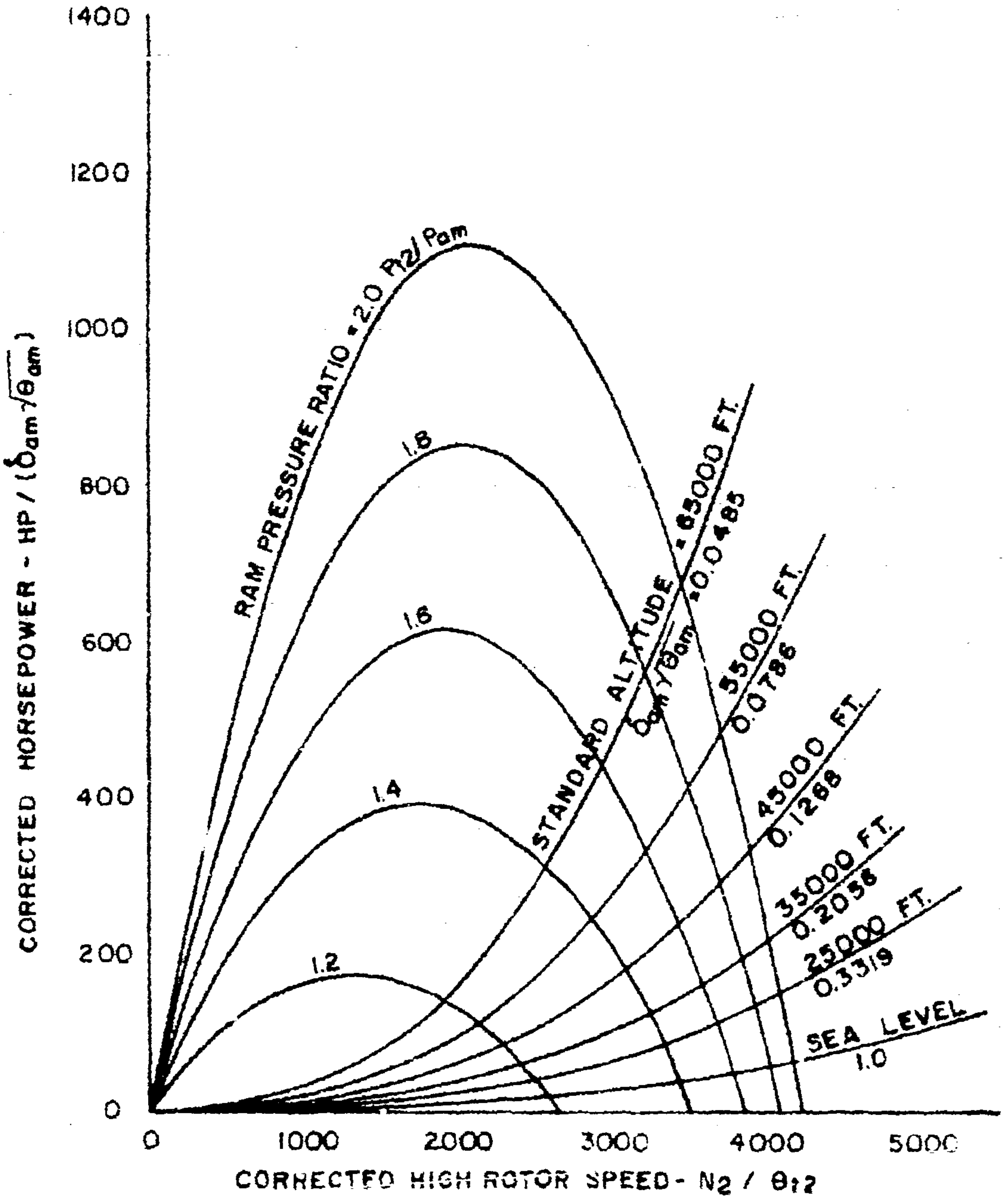
ENGINE MODEL STF 219B

ESTIMATED POWER AVAILABLE FROM HIGH PRESSURE ROTOR WITH ENGINE WINDMILLING

NOTE - Maximum allowable power extraction = 960 HP



DATE 10-15-64

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CURVE NO. T-1688
SHEET 53B

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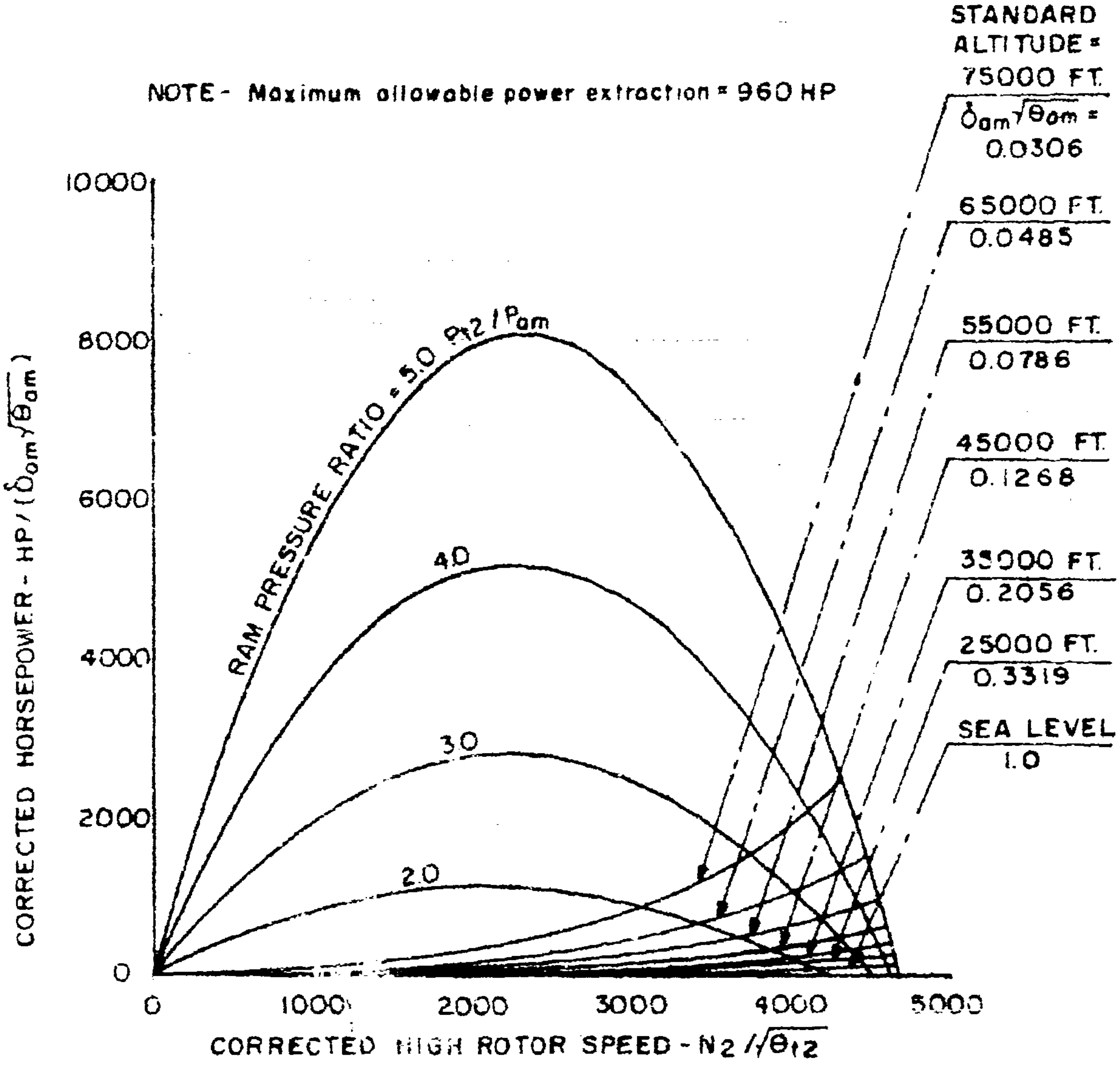
DOD DIR 5200.10

ENGINE MODEL STF 219B
ESTIMATED POWER AVAILABLE FROM HIGH PRESSURE ROTOR WITH ENGINE WINDMILLING



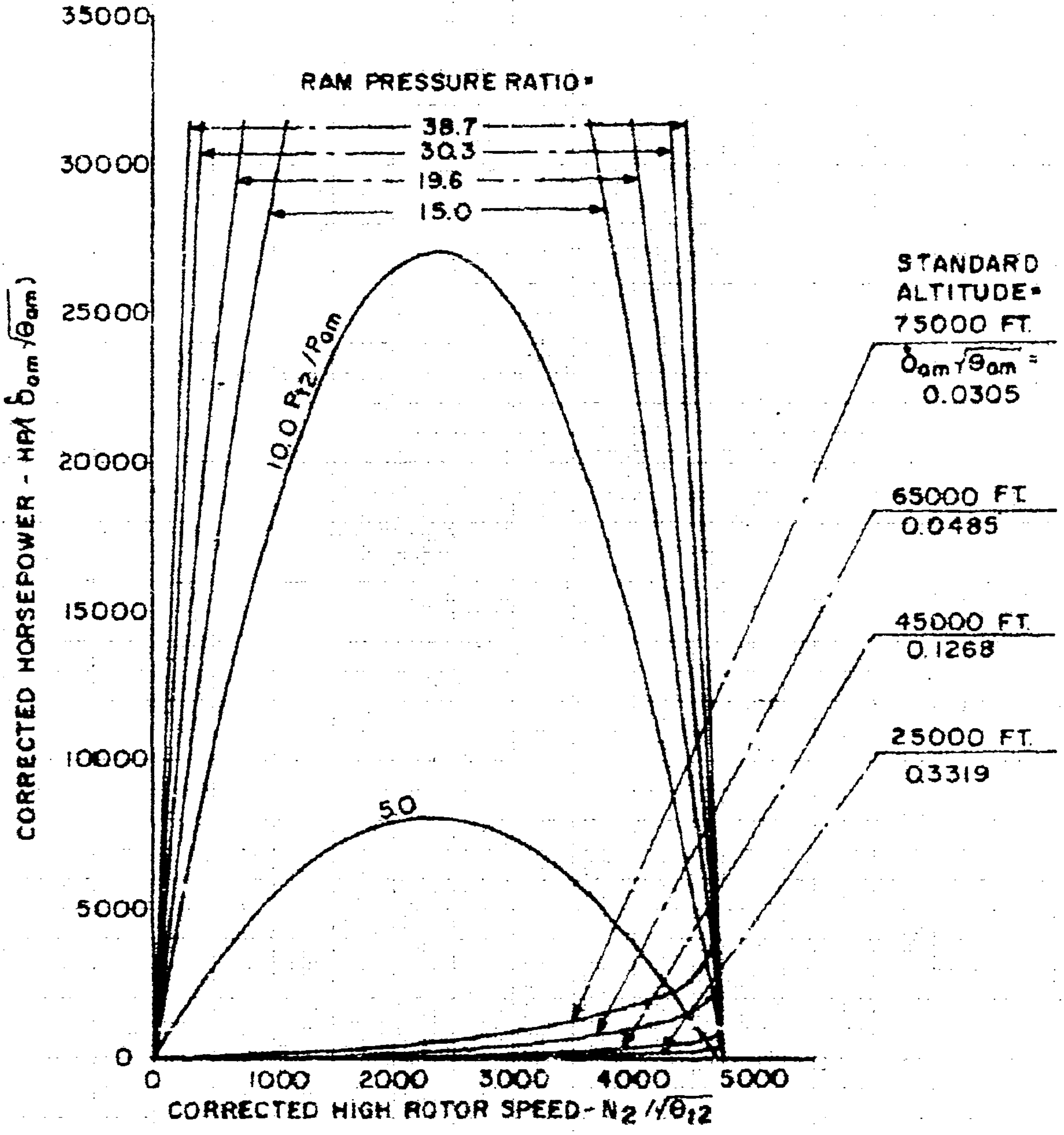
NOTE - Maximum allowable power extraction = 960 HP

DECLASSIFIED AFTER 12 YEARS
DOD DIR 5200.10

ENGINE MODEL STF 219B

ESTIMATED POWER AVAILABLE FROM HIGH PRESSURE ROTOR WITH ENGINE WINDMILLING

NOTE- Maximum allowable power extraction = 960 HP



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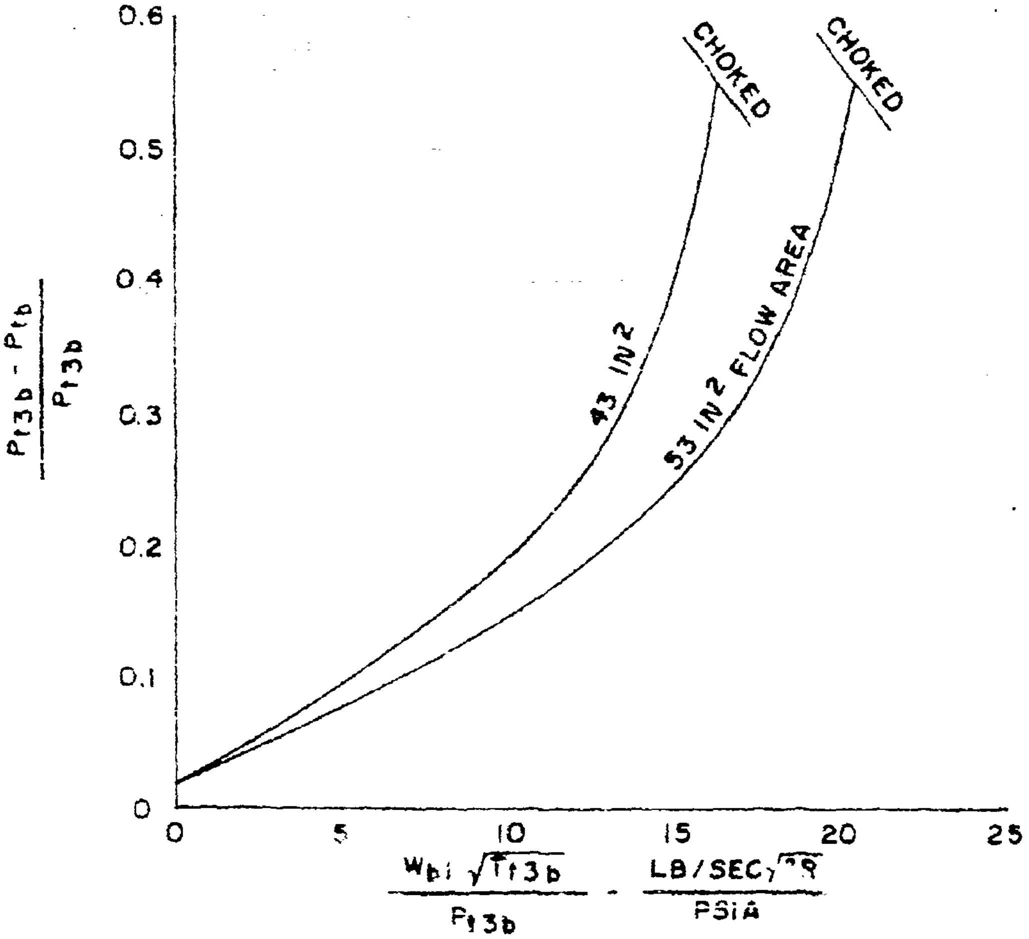
DOD DIR 5200.10

ENGINE MODEL STF 219B

ESTIMATED PRESSURE DROP THROUGH DUCT BLEED SYSTEM PORTS

U.S. STANDARD ATMOSPHERE - 1962 (GEOM.)   RAM RECOVERY PER MIL-E-5008 B

P_{tb} = Total pressure at bleed ports.
W_{bl} = Bleed airflow - LB/SEC
P_{t3}, T_{t3} = Fan discharge conditions.
P_{t3b} = P_{t3}
T_{t3b} = T_{t3}



DATE 10-15-64

CURVE NO. T-1688
SHEET 54

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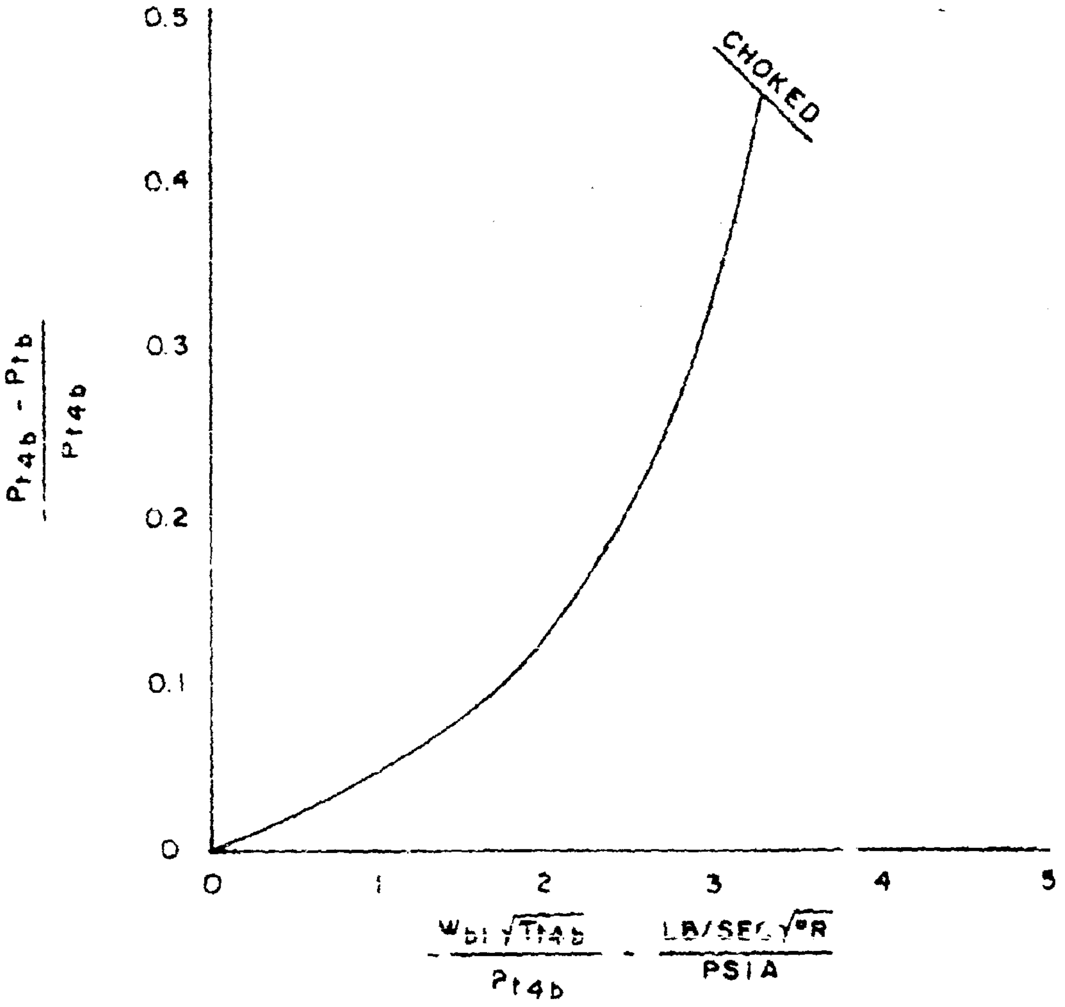
DOD DIR 5200.10

ENGINE MODEL STF 219B

ESTIMATED PRESSURE DROP THROUGH HIGH PRESSURE SYSTEM PORTS

U.S. STANDARD ATMOSPHERE - 1962 (GEOM) RAM RECOVERY PER MIL-E-5008 B

P_{t4b} = Total pressure for change in engine match due to bleed flow.
P_{tb} = Total pressure at bleed ports.
W_{bl} = Bleed airflow - LB/SEC
$T_{tb} = T_{t4}$ = Total temperature for change in engine match due to bleed flow.



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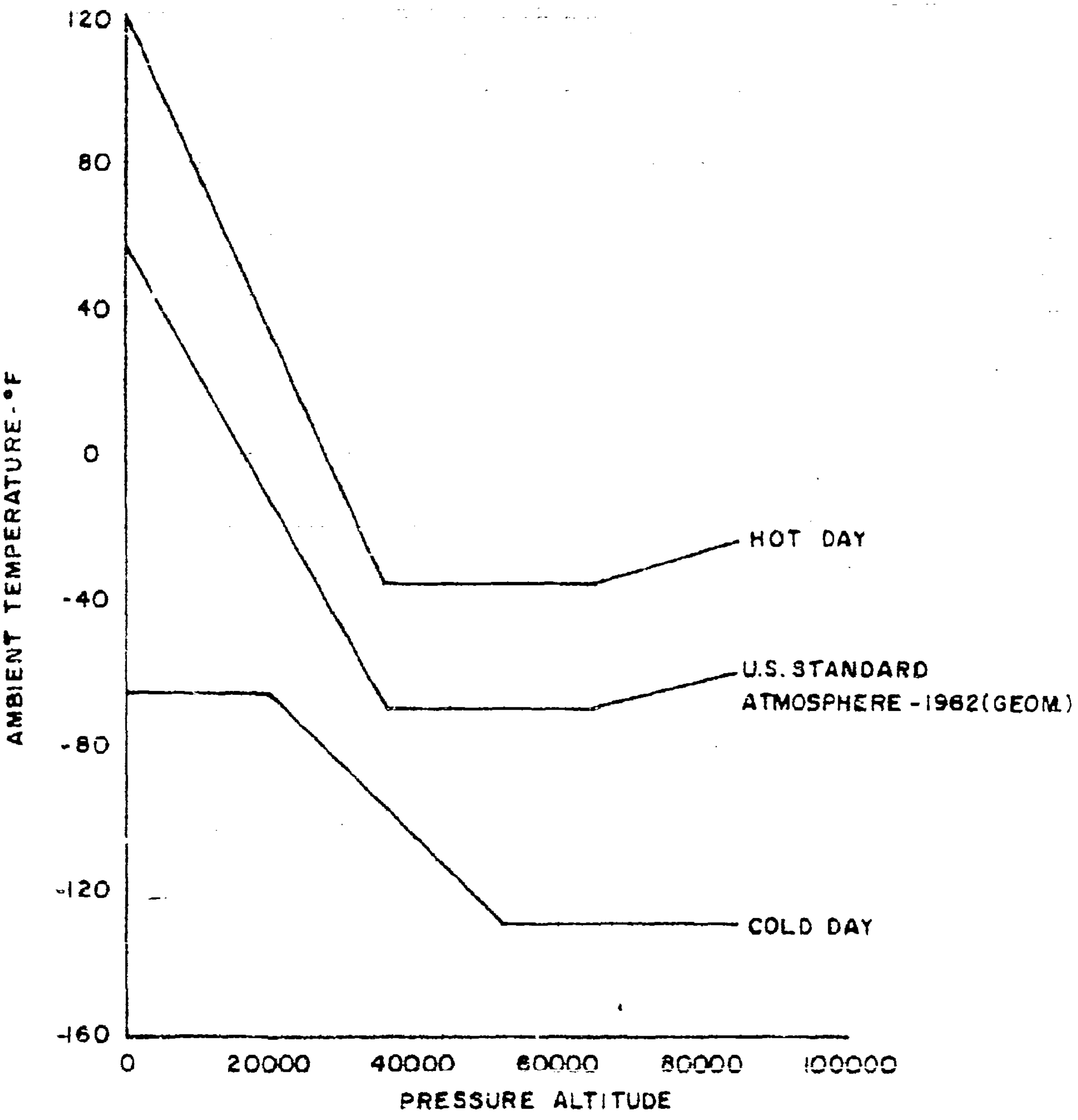
ENGINE MODEL STF 219B

AMBIENT TEMPERATURE VS. PRESSURE RATIO



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CURVE NO. T-1688
SHEET 56

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DOD DIR 5200.10

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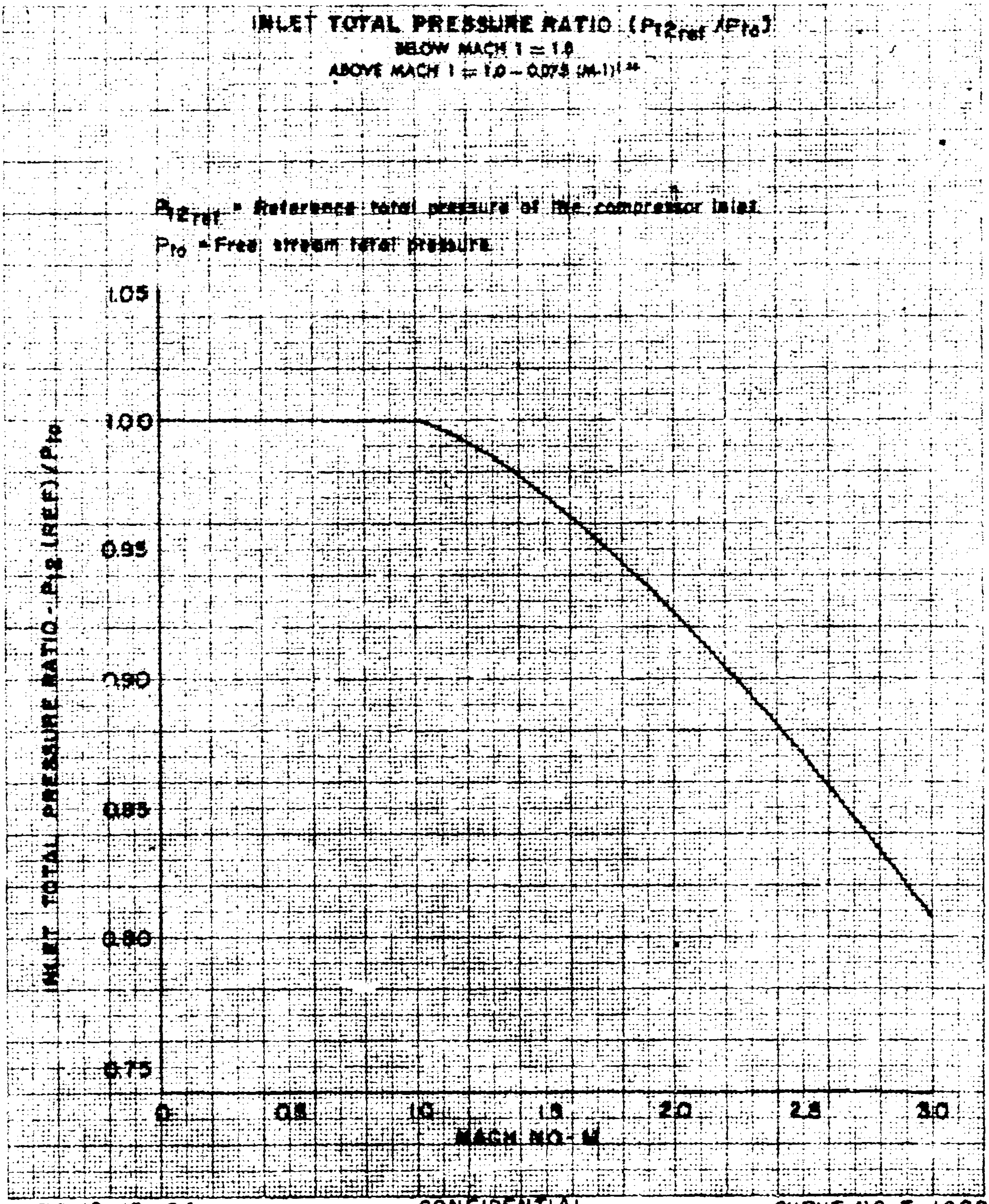
ENGINE MODEL STF 219B

STANDARD INLET TOTAL PRESSURE RATIO PER MIL-E-5008 B



INLET TOTAL PRESSURE RATIO ($P_{T2_{ref}}/P_{T0}$)

BELOW MACH 1 = 1.0

ABOVE MACH 1 = $1.0 - 0.075\,(M-1)^{1.35}$

$P_{T2_{ref}}$ = Reference total pressure at the compressor inlet

P_{T0} = Free stream total pressure

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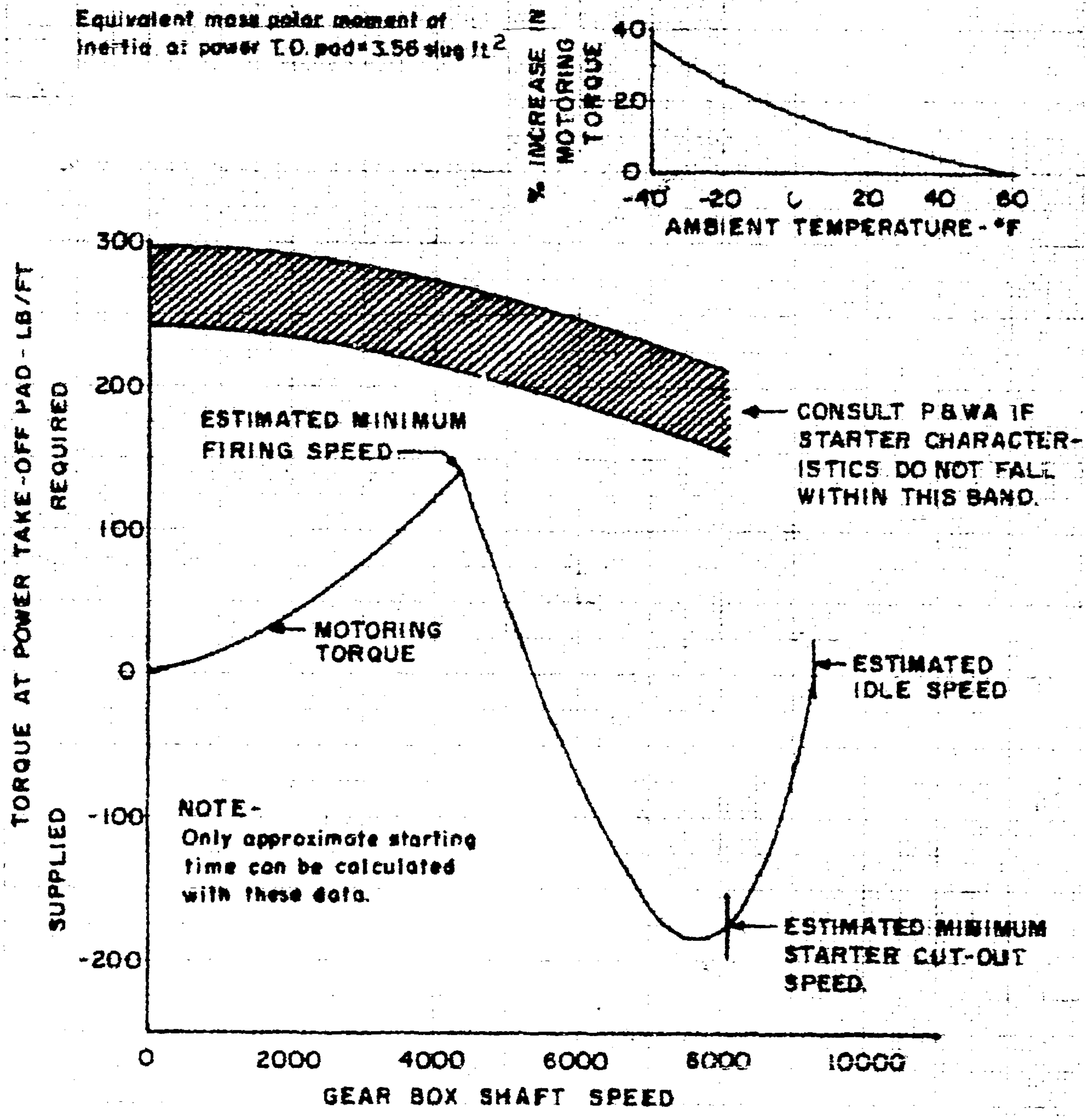
ENGINE MODEL STF 219B
ESTIMATED STARTING REQUIREMENTS
ZERO POWER EXTRACTIONS

U.S. STANDARD ATMOSPHERE - 1962 (GEOM.) SEA LEVEL STATIC CONDITIONS

NOTE-
Gear ratio = 2.32
(Speed of power T.O. pad = 2.32 engine rotor speed.)

Equivalent mass polar moment of inertia at power T.O. pad = 3.56 slug ft^2



NOTE-
Only approximate starting time can be calculated with these data.

DATE 10-15-64

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CURVE NO. T-1688
SHEET 58

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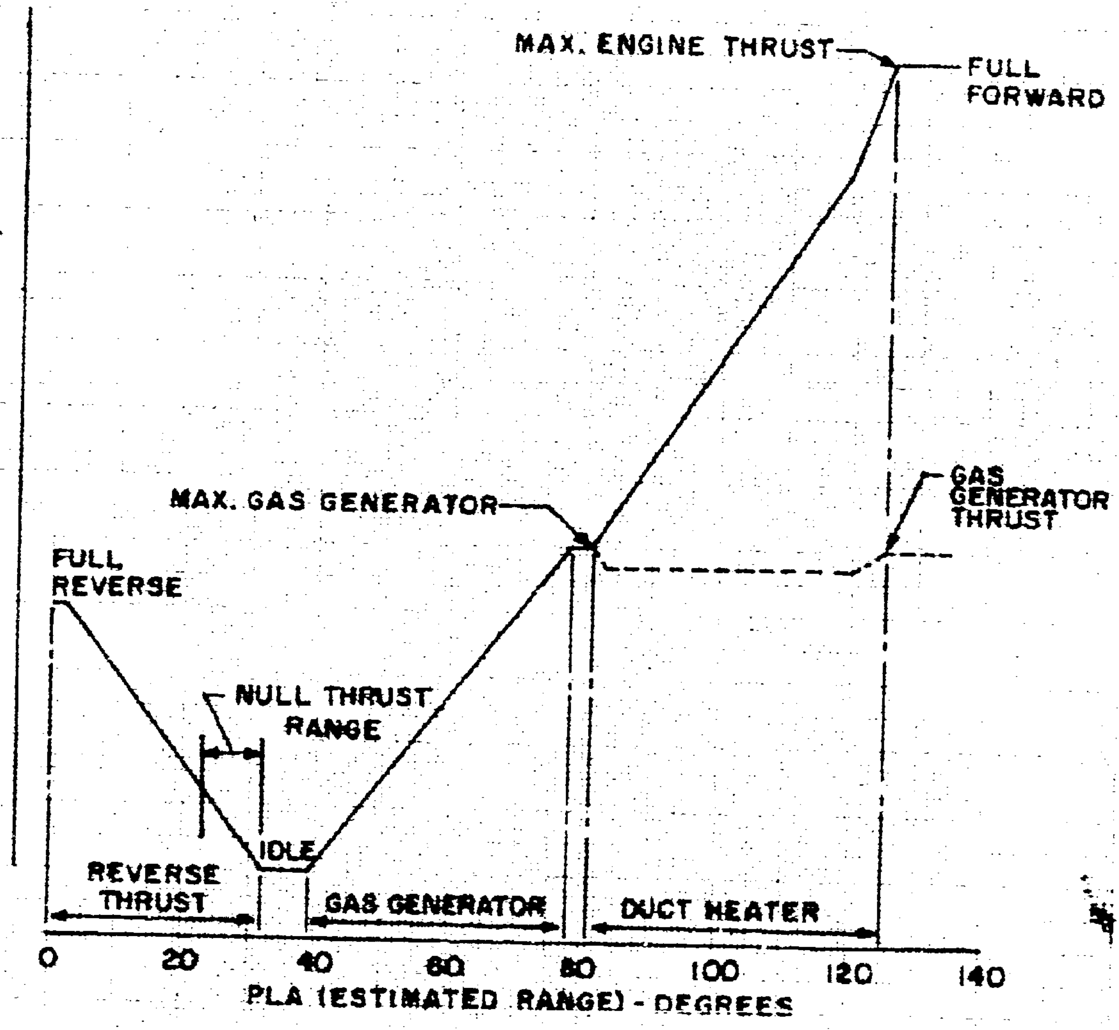
ENGINE MODEL STF 219B

POWER LEVER OPERATION
(FUNCTION REPRESENTATION)



DATE 10-15-64

CURVE NO. T-1688
SHEET 59

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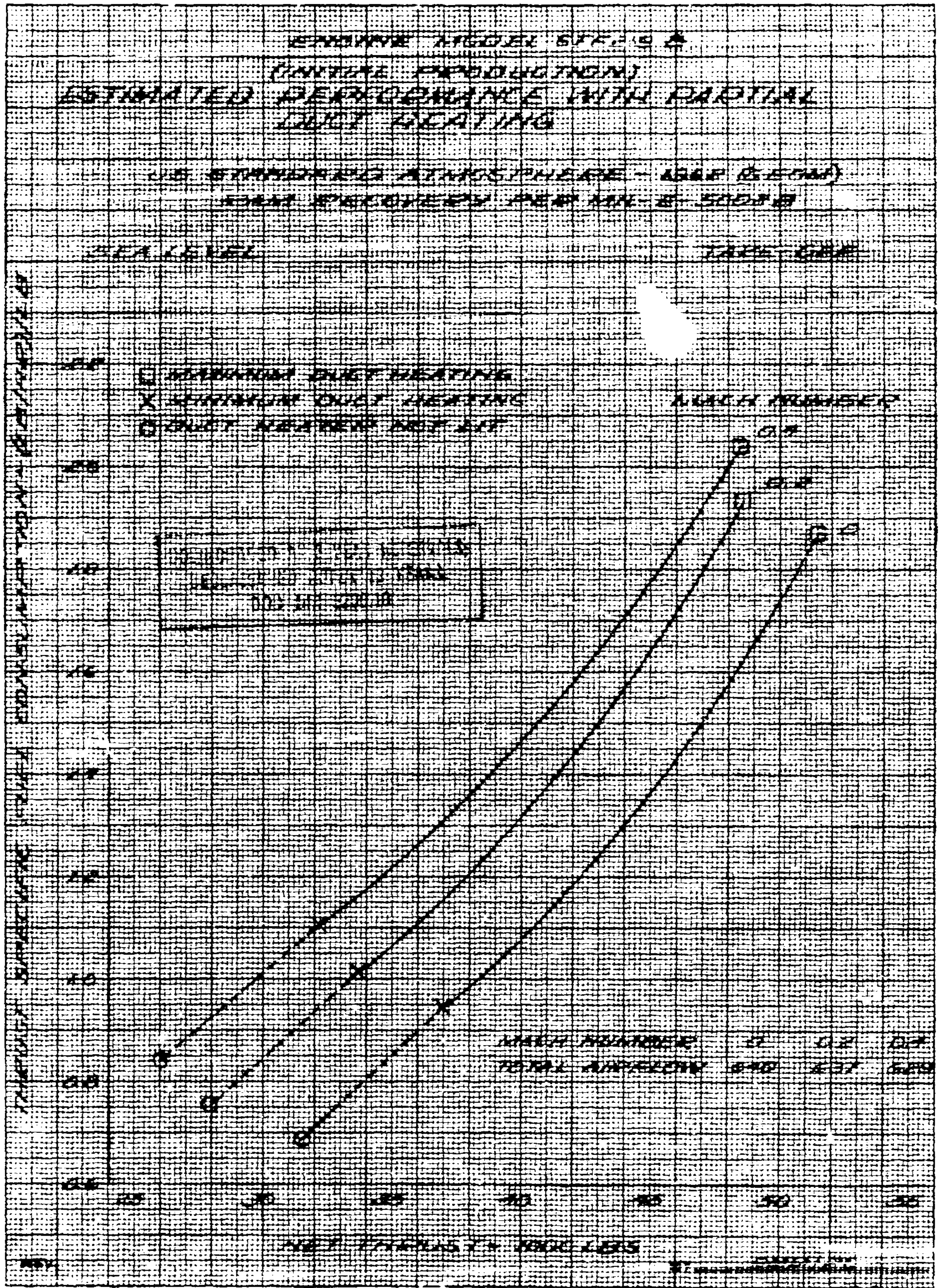

DATE 10-21-64

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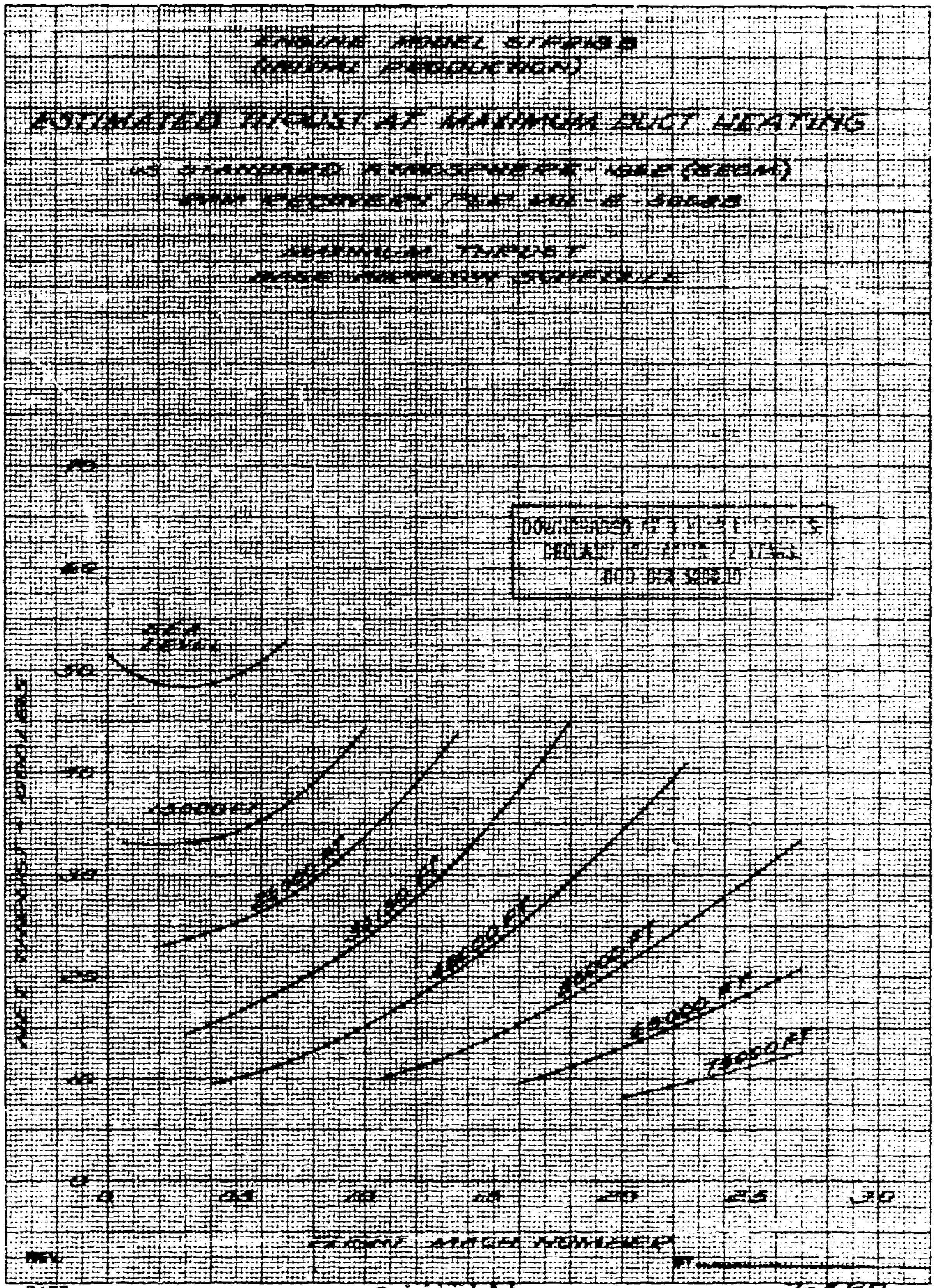
CURVE NO. T-1688
SHEET 60

PWA FORM-3407A 10-59

PRATT & WHITNEY AIRCRAFT



DOWNGRADED AT 3 YEAR INTERVALS;
DECLASSIFIED AFTER 12 YEARS.
DOD DIR 5200.10

DATE

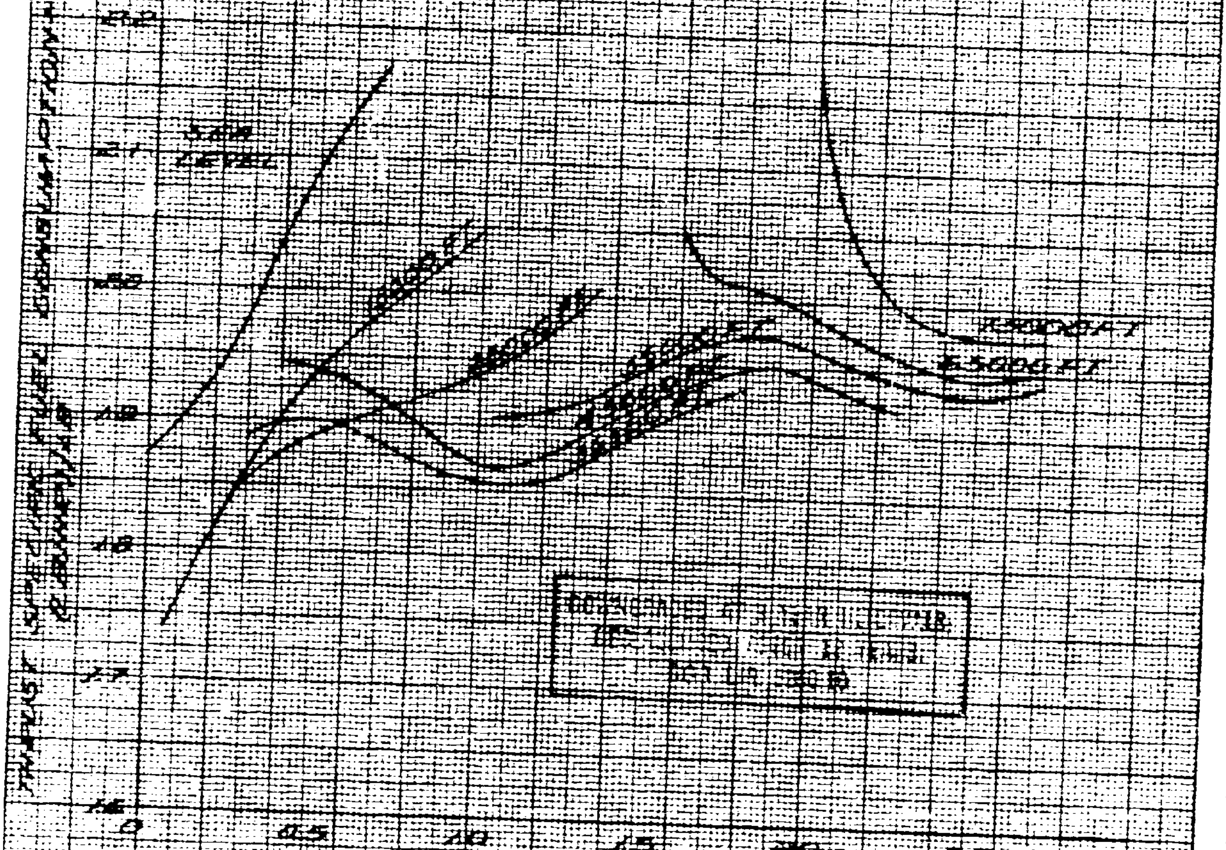
CURVE NO. T-1688
SHEET 61

ENGINE MODEL [illegible]
(INITIAL PRODUCTION)

ESTIMATED THRUST SPECIFIC FUEL CONSUMPTION AT MAXIMUM DUCT HEATING

U.S. STANDARD ATMOSPHERE-1962 [illegible]
RAM RECOVERY PER MIL-E-5008B

MAXIMUM THRUST
BASE AIRFLOW SCHEDULE



DOWNGRADED AT 3 YEAR INTERVALS;
DECLASSIFIED AFTER 12 YEARS.
DOD DIR 5200.10

REV.
DATE
BY
CURVE NO. 7-[illegible]88
SHEET 62

CONFIDENTIAL

ENGINE MODEL STF-[illegible]
([illegible] PRODUCTION)

ESTIMATED TOTAL AIRFLOW

US STANDARD ATMOSPHERE 1962 ([illegible])
RAM RECOVERY PER MIL-E-5008B

MAXIMUM THRUST
BASE ENGINE SCHEDULE

DOWNGRADED AT 3 YEAR INTERVALS; DECLASSIFIED AFTER 12 YEARS. DOD DIR 5200.10

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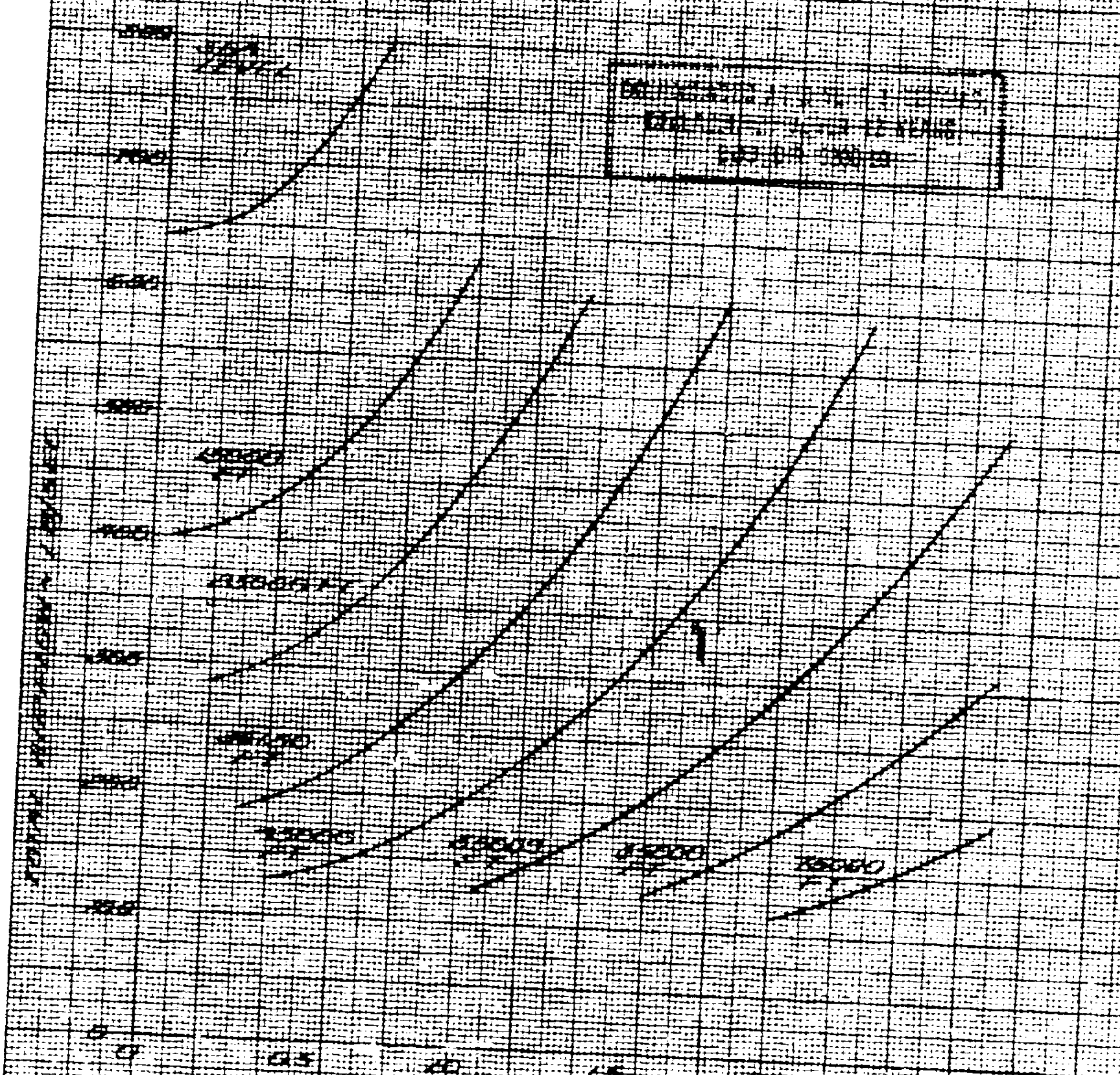

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DATE
BY

PWA FORM 3407A 10-58

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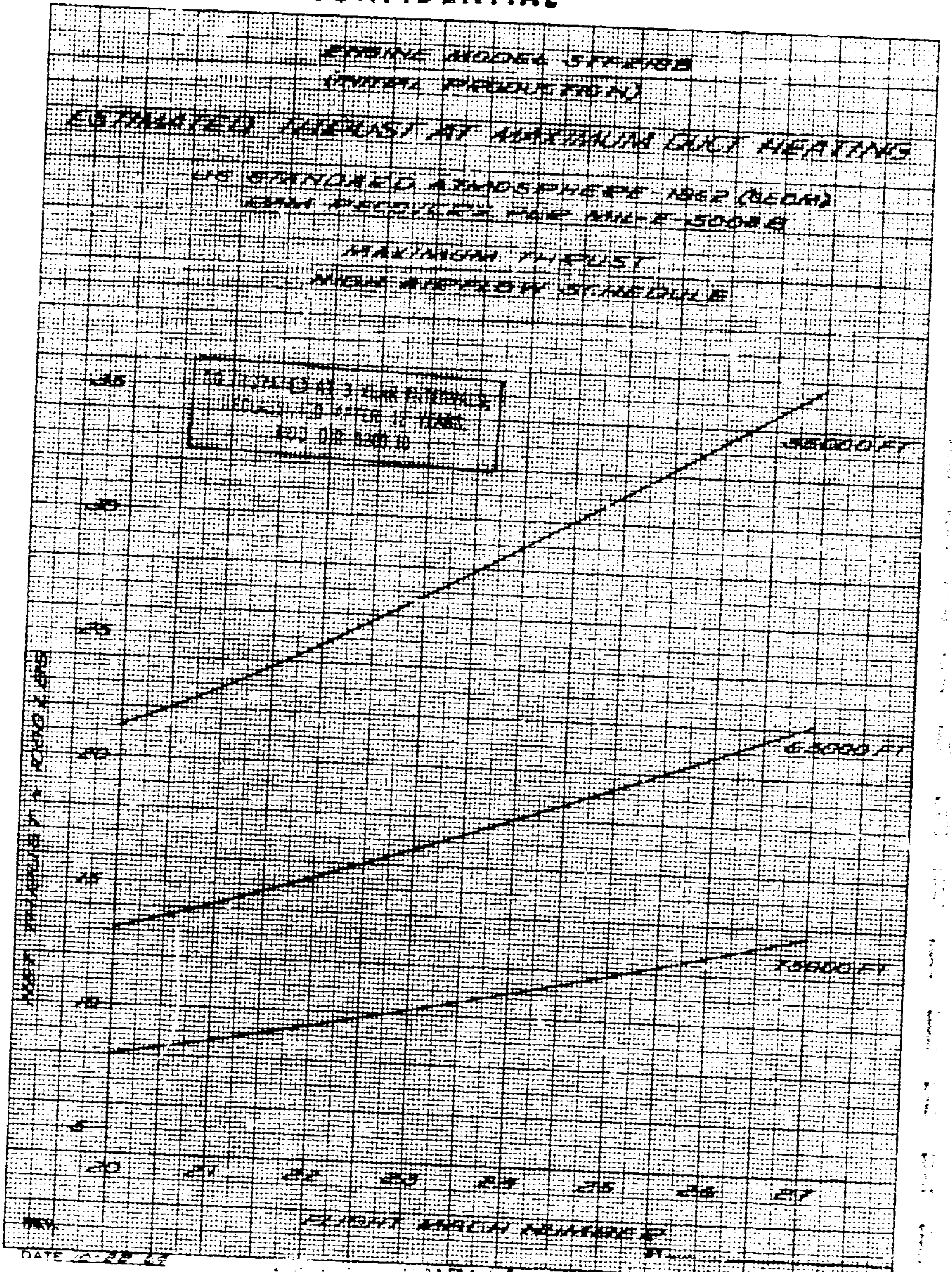
PRATT & WHITNEY AIRCRAFT

CURVE NO. 7-1608
SHEET 63

CONFIDENTIAL



ENGINE MODEL STF28B
(INITIAL PRODUCTION)
ESTIMATED THRUST AT MAXIMUM DUCT HEATING
US STANDARD ATMOSPHERE 1962 (NEAR)
RAM RECOVERY PER MIL-E-5008B
MAXIMUM THRUST
HIGH AIRFLOW SCHEDULE

DOWNGRADED AT 3 YEAR INTERVALS;
DECLASSIFIED AFTER 12 YEARS.
DOD DIR 5200.10

DATE 2-28-?

BY

PWA FORM-3407A 10-56

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PRATT & WHITNEY AIRCRAFT

CURVE NO. T-1638

SHEET 64

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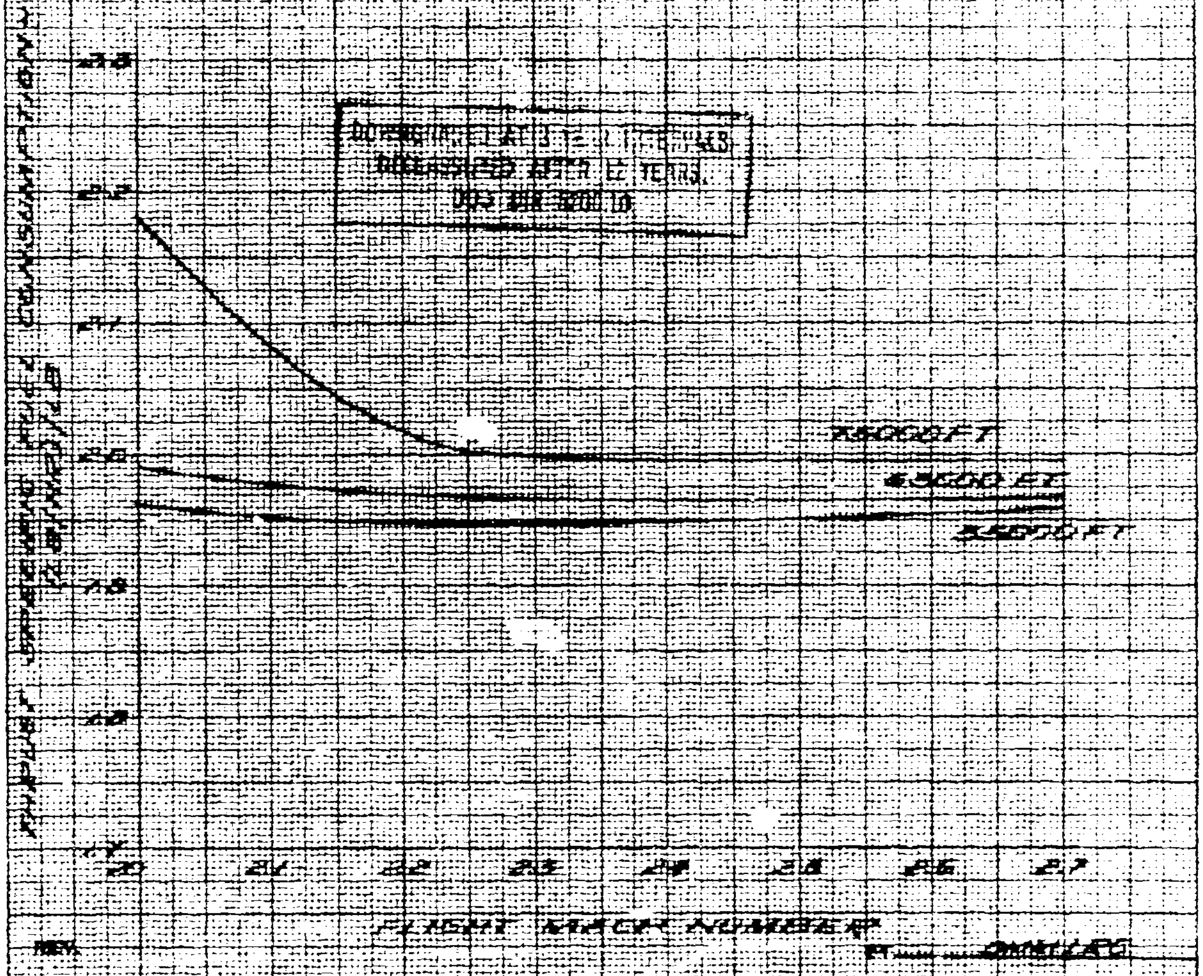
ENGINE MODEL [illegible]
(INITIAL PRODUCTION)

ESTIMATED THRUST SPECIFIC FUEL CONSUMPTION
AT MAXIMUM DUCT HEATING

US STANDARD ATMOSPHERE - 1962 ([illegible])
RAM RECOVERY PER MIL-E-5008B

MAXIMUM THRUST
HIGH AIRFLOW SCHEDULE

DOWNGRADED AT 3 YEAR INTERVALS;
DECLASSIFIED AFTER 12 YEARS.
DOD DIR 5200.10



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BY [illegible]

DATE 10-22-64

CURVE NO. 7-1698
SHEET 65

PWA FORM 4407A 10-60

PRATT & WHITNEY AIRCRAFT

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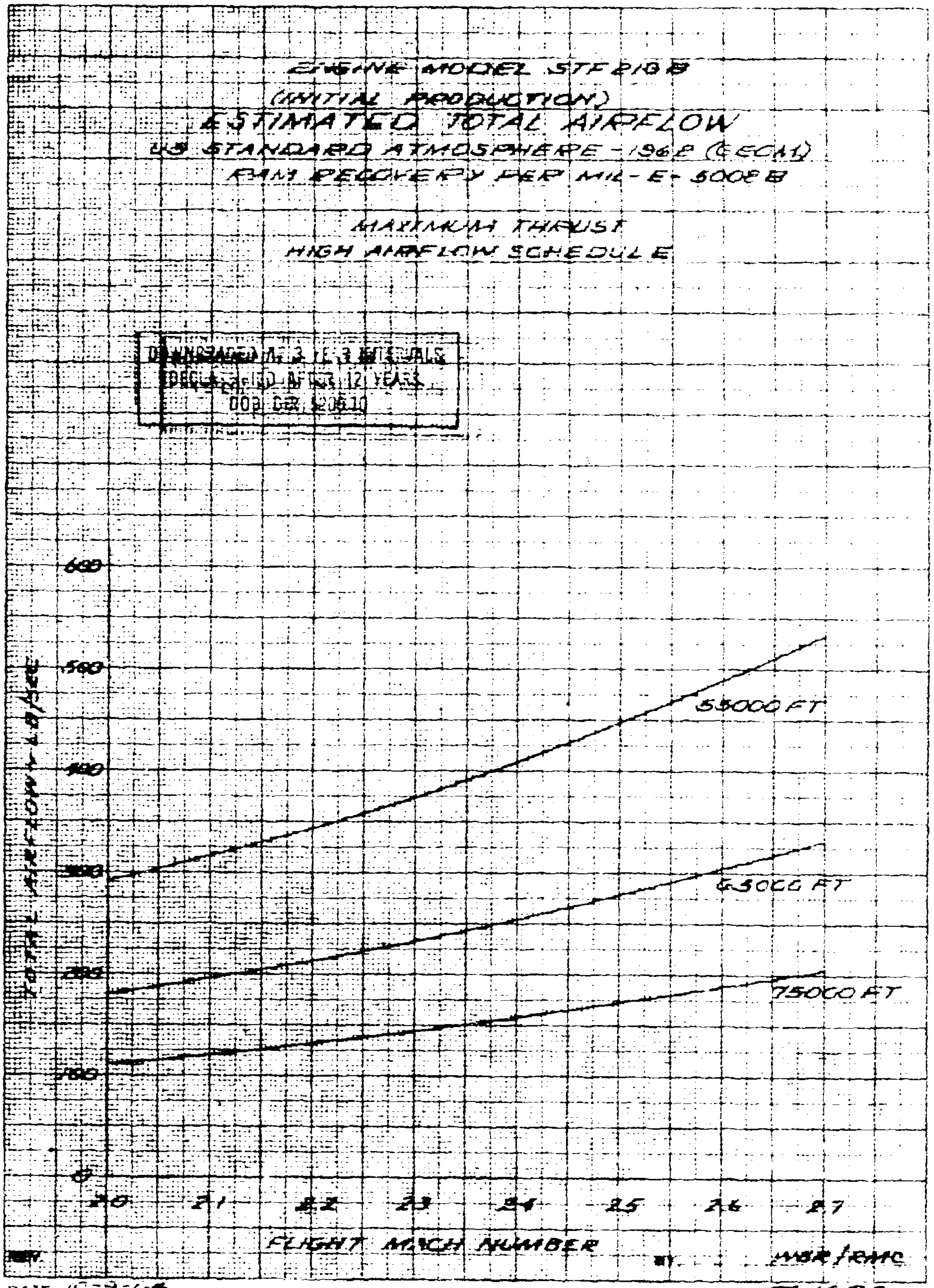

ENGINE MODEL STF219B
(INITIAL PRODUCTION)
ESTIMATED TOTAL AIRFLOW
US STANDARD ATMOSPHERE - 1962 (ECCM)
RAM RECOVERY PER MIL-E-5008B

MAXIMUM THRUST
HIGH AIRFLOW SCHEDULE

DOWNGRADED AT 3 YEAR INTERVALS
DECLASSIFIED AFTER 12 YEARS
DOD DIR 5200.10

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BY WBR/RMC

DATE 15-9-64

CURVE NO. T-1688
SHEET 66

PRATT & WHITNEY AIRCRAFT

PWA FORM 3487A 12-59

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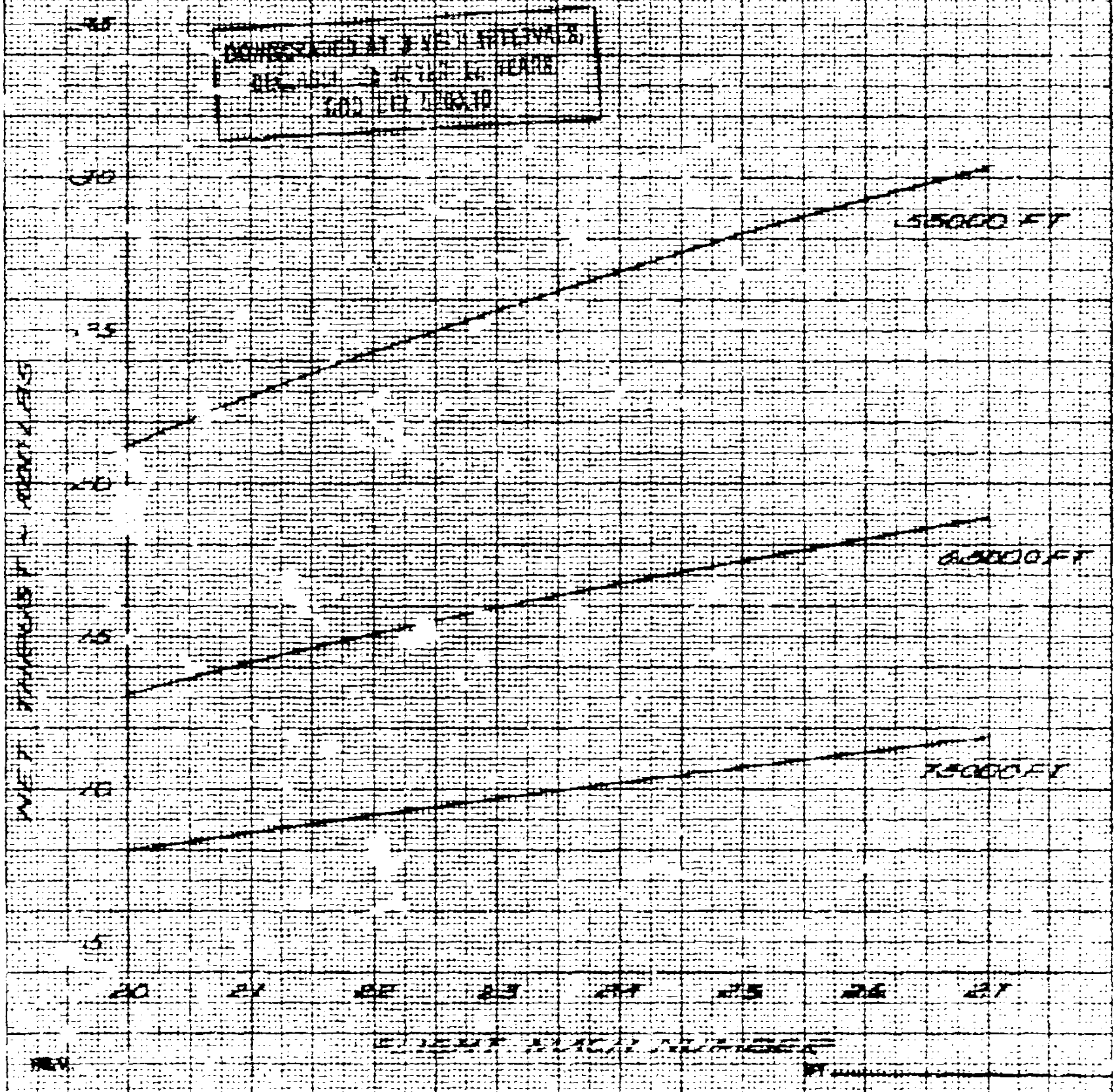
ENGINE MODEL E[illegible]
(INITIAL PRODUCTION)

ESTIMATED THRUST AT MAXIMUM DUCT HEATING

US STANDARD ATMOSPHERE - 1962 (GEOM)
RAM RECOVERY PER MIL-E-5008B

MAXIMUM THRUST
LOW AIRFLOW SCHEDULE

DOWNGRADED AT 3 YEAR INTERVALS;
DECLASSIFIED AFTER 12 YEARS
DOD DIR 5200.10



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SHEET 67

PWA FORM 3407A 10-60

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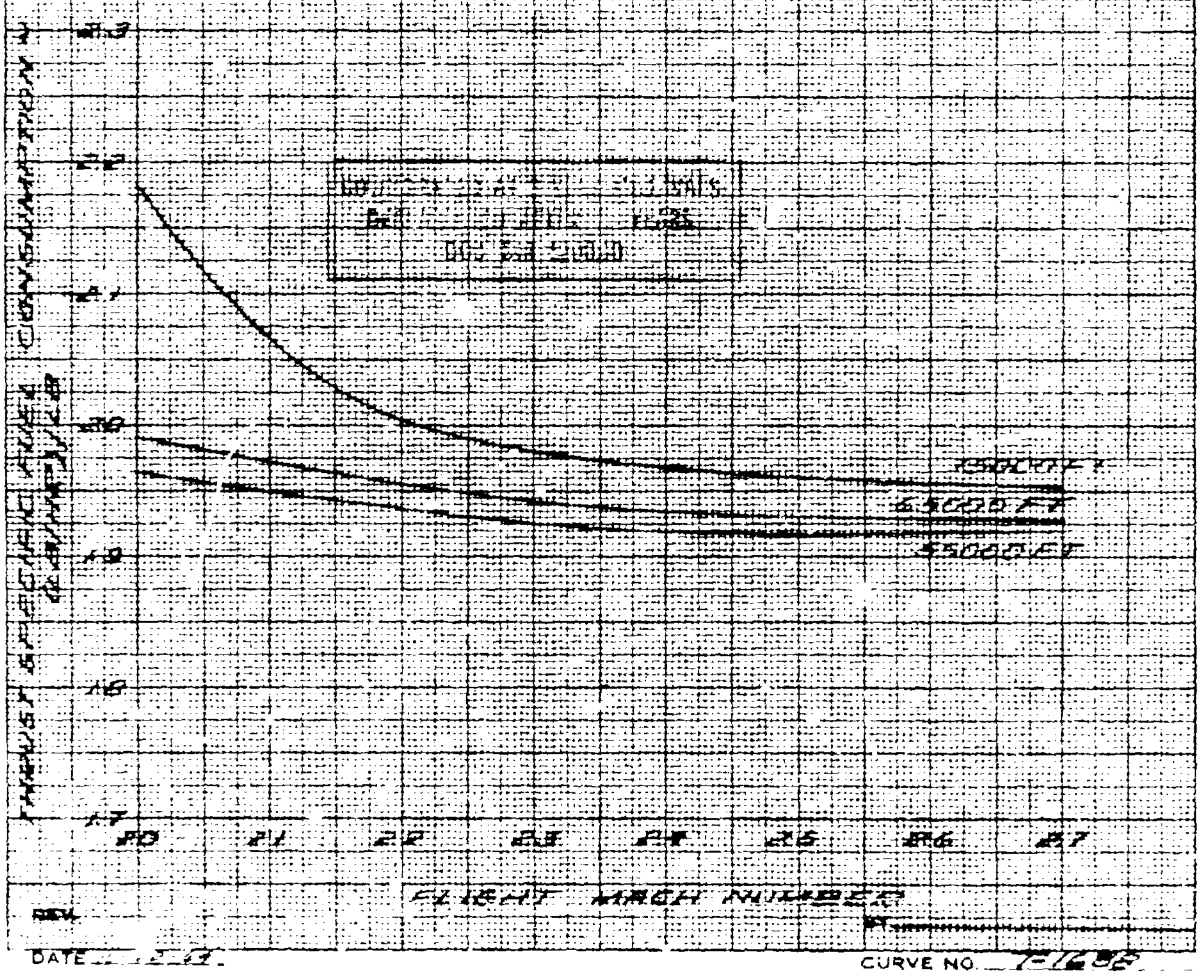
ENGINE MODEL STF219
(INITIAL PRODUCTION)

ESTIMATED THRUST SPECIFIC FUEL CONSUMPTION AT MAXIMUM DUCT HEATING

US STANDARD ATMOSPHERE 1962 (SEOH)
RAM RECOVERY PER MIL-E-5008B

MAXIMUM THRUST
LOW AIRFLOW SCHEDULE



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CURVE NO. T-1658
SHEET 68

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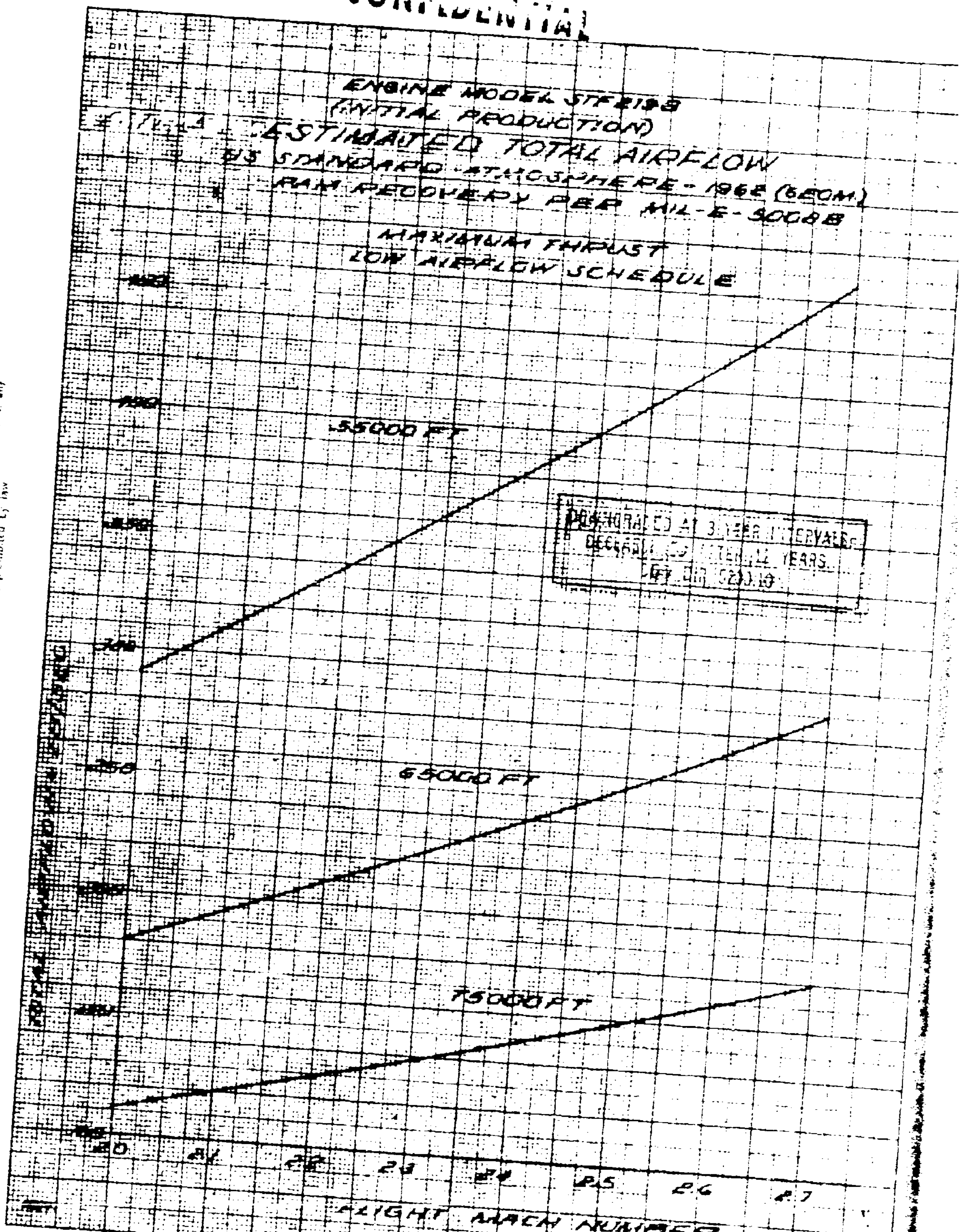

ENGINE MODEL STF219B
(INITIAL PRODUCTION)
ESTIMATED TOTAL AIRFLOW
US STANDARD ATMOSPHERE - 1962 (GEOM.)
RAM RECOVERY PER MIL-E-5008B
MAXIMUM THRUST
LOW AIRFLOW SCHEDULE

DOWNGRADED AT 3 YEAR INTERVALS;
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DOD DIR 5200.10

DATE 12-9-64

CURVE NO T-1688
SHEET 69

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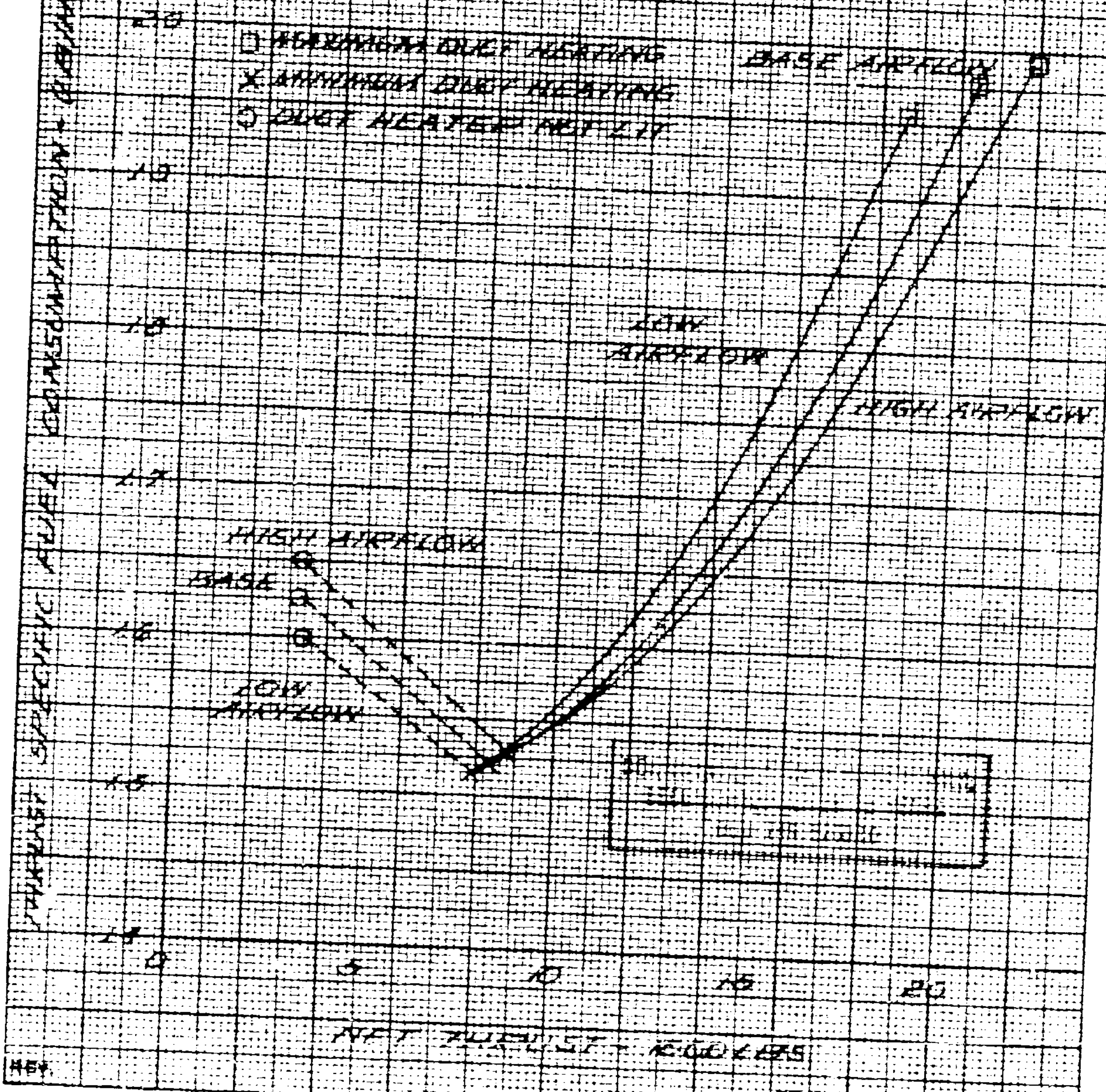
ENGINE MODEL STF219B
(INITIAL PRODUCTION)

ESTIMATED PERFORMANCE WITH PARTIAL DUCT HEATING

U.S. STANDARD ATMOSPHERE 1962 (ARDC)
RAM RECOVERY PER MIL-E-5008B
63000 FT
MN 2.7

MAXIMUM CRUISE



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SHEET 70

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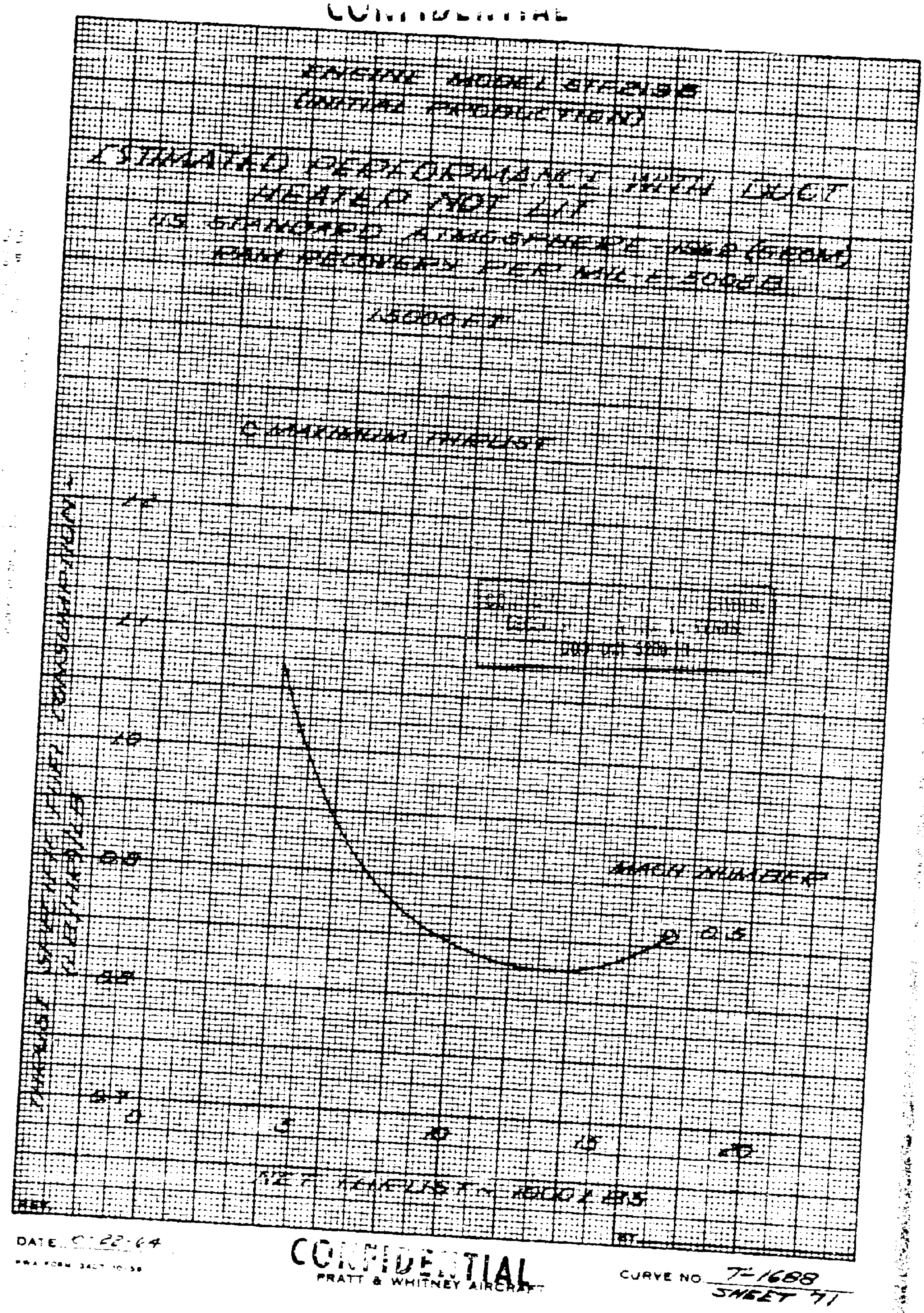

ENGINE MODEL STF219B
(INITIAL PRODUCTION)

ESTIMATED PERFORMANCE WITH DUCT HEATER NOT LIT

US STANDARD ATMOSPHERE 1962 (GROM)
RAM RECOVERY PER MIL-E-5008B

15000 FT.

C MAXIMUM THRUST

DATE 6-22-64

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CURVE NO. 7-1688
SHEET 71

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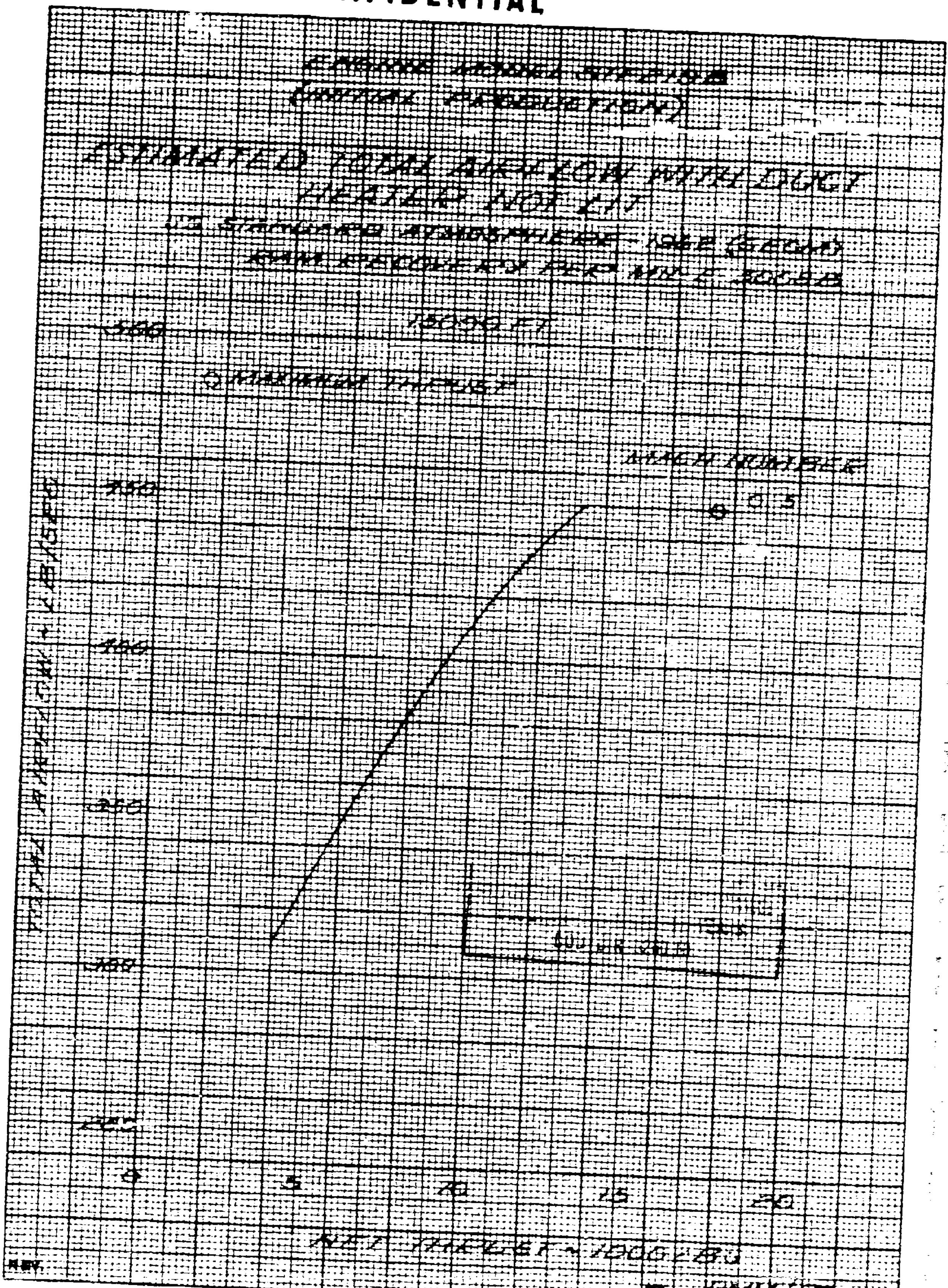

ENGINE MODEL [illegible]
(INITIAL PRODUCTION)

ESTIMATED TOTAL AIRFLOW WITH DUCT HEATER NOT LIT
U.S. STANDARD ATMOSPHERE - 1962 (ICAO)
RAM RECOVERY PER MIL-E-5008B

15000 FT

123

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CURVE NO. T-1688
SHEET 72

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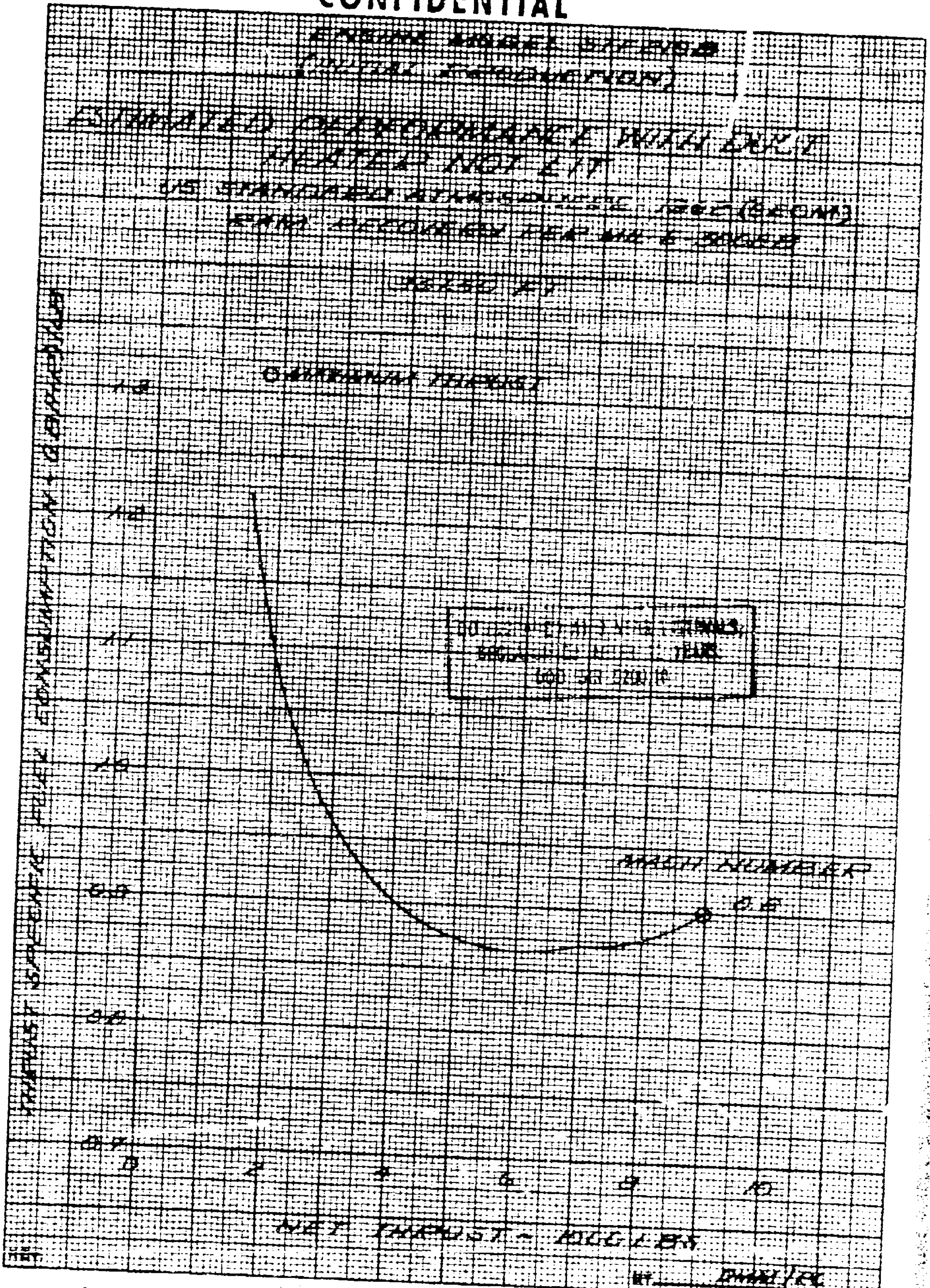

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DOD DIR 5200.10

DATE 6-21-64

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CURVE NO. T-1699
SHEET 73

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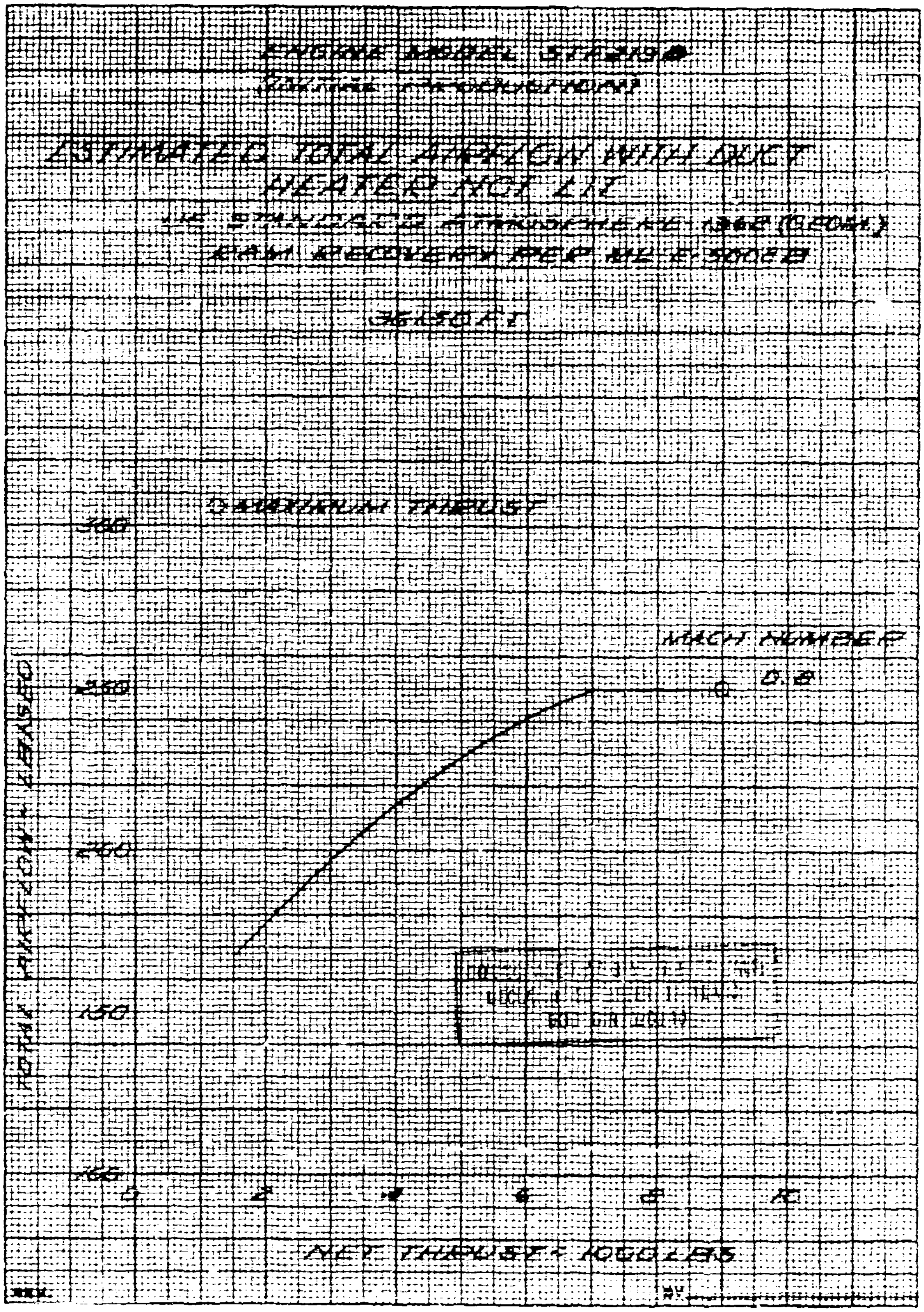


ENGINE MODEL STF219

[illegible]

ESTIMATED TOTAL AIRFLOW WITH DUCT HEATER NOT LIT

U.S. STANDARD ATMOSPHERE 1962 (ICAO)

RAM RECOVERY PER MIL-E-5008B

36150 FT

MAXIMUM THRUST

[illegible]
[illegible]
DOD DIR 5200.10

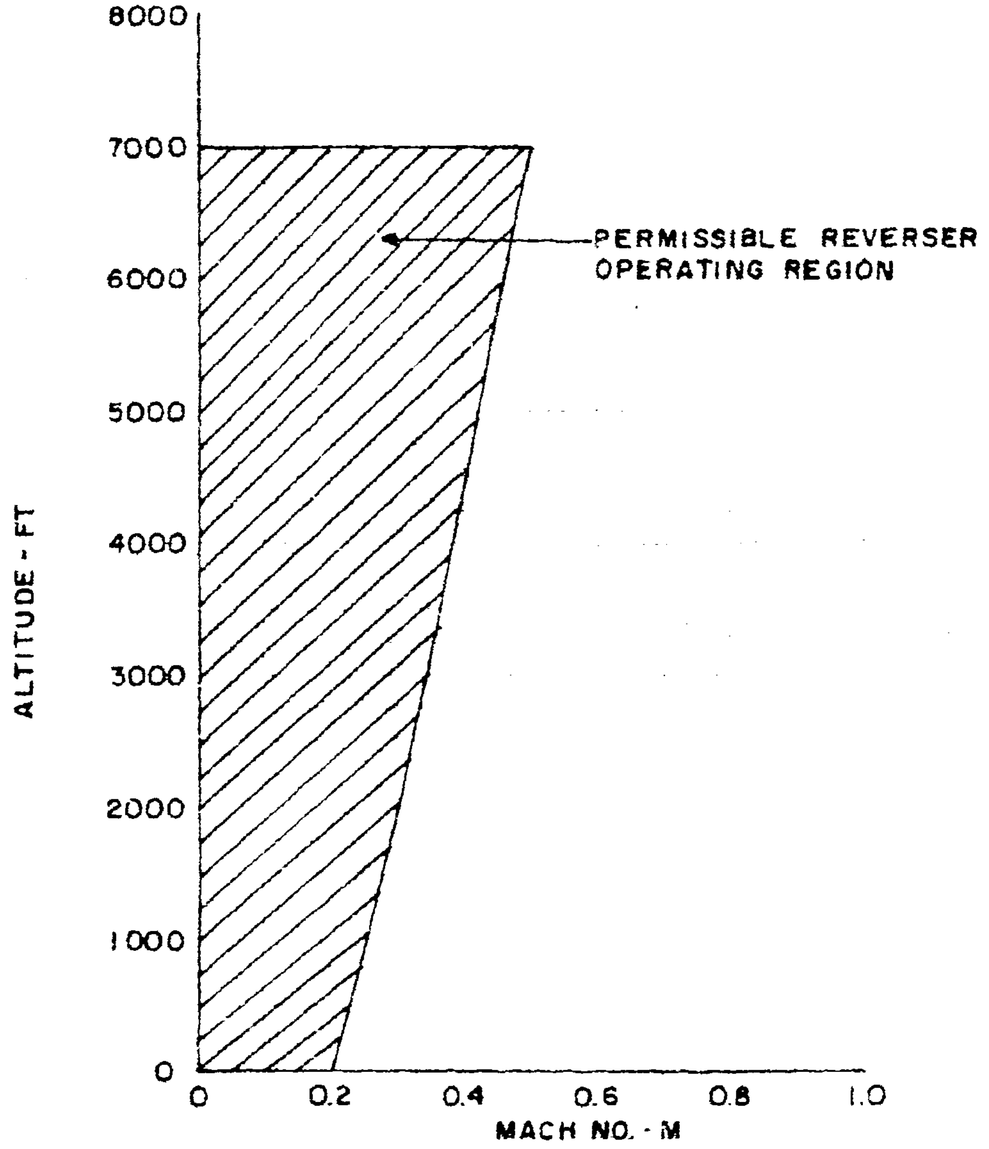
DATE 10-21-64

PWA FORM 3407 10 59

PRATT & WHITNEY AIRCRAFT

CURVE NO. T-1688
SHEET 74

ENGINE MODEL STF 219B
REVERSER ENVELOPE



DATE 10-15-64

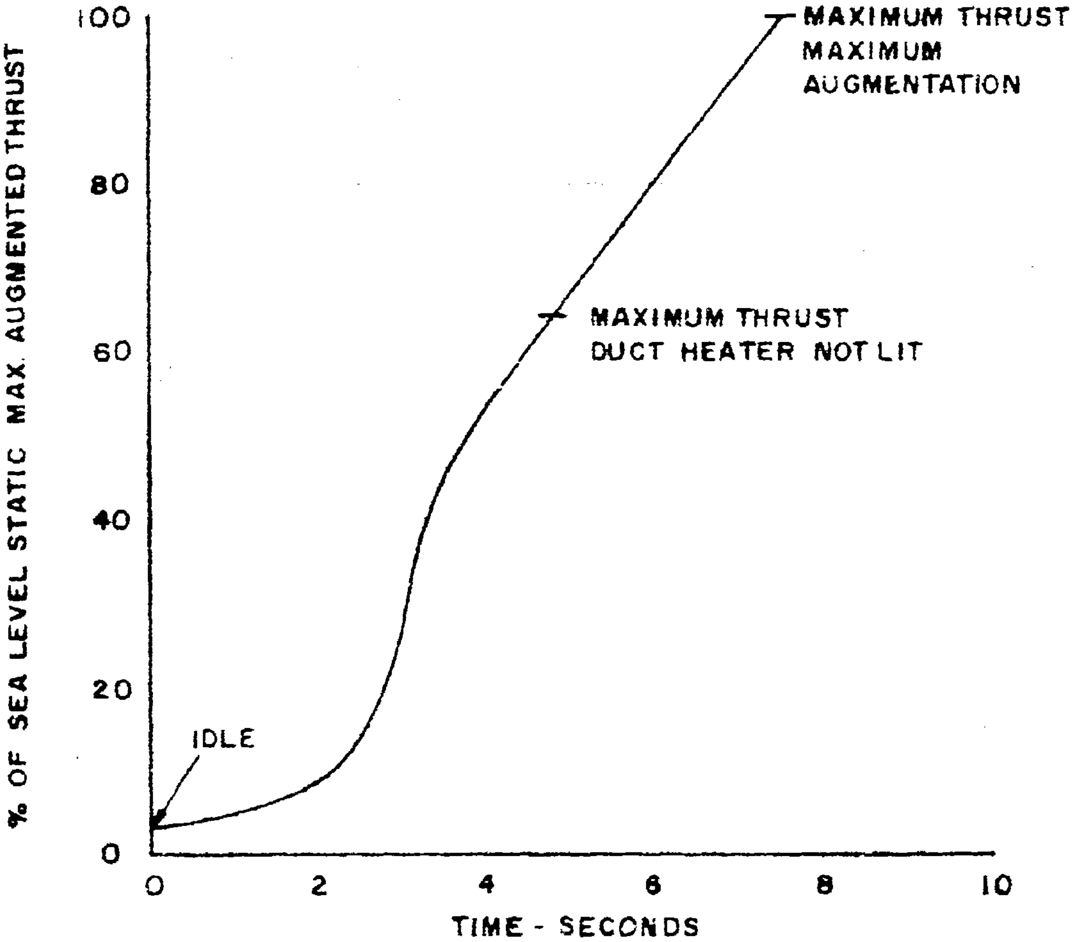
CURVE NO. T-1668
SHEET 75

ENGINE MODEL STF 219B

ESTIMATED ENGINE ACCELERATION TIME FROM IDLE TO MAXIMUM THRUST
PERCENT THRUST VS. TIME

NOTE-

This curve is for the STF 219 Engine at sea level, static take-off. However, the acceleration times may be applied for other flight conditions which fall between zero & 0.3 M_n & sea level to 10,000 Ft.



DATE 10-15-64

CURVE NO. T-1588
SHEET 76

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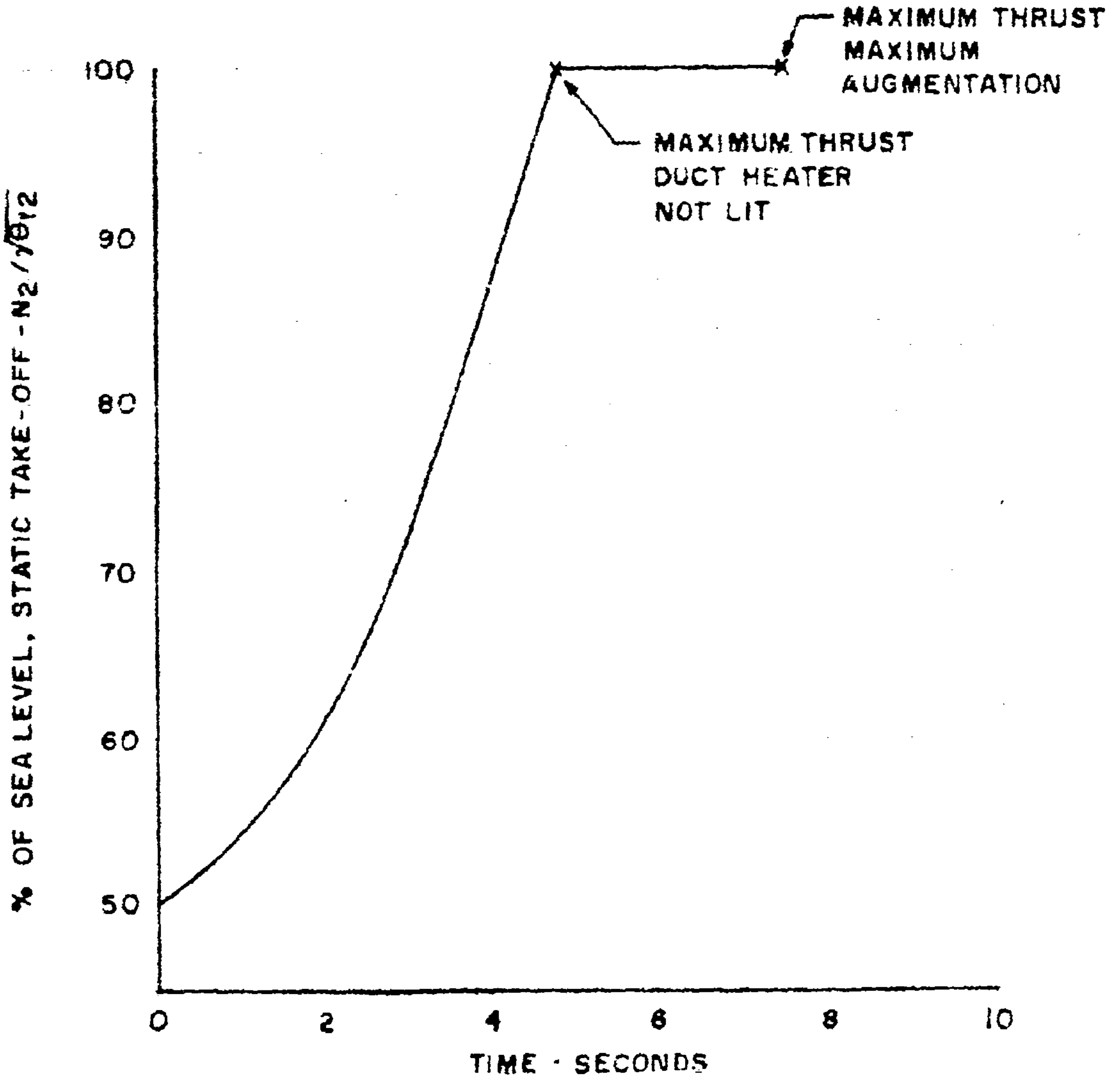
ENGINE MODEL STF 219B

ESTIMATED ENGINE ACCELERATION TIME FROM IDLE TO MAXIMUM THRUST
HIGH ROTOR SPEED VS. TIME

NOTE -
This curve is for the STF 219 Engine at sea level, static take-off. However, the acceleration times may be applied for other flight conditions which fall between zero & 0.3 M_n & sea level to 10,000 Ft.



DATE 10-15-64

CURVE NO. T-1688
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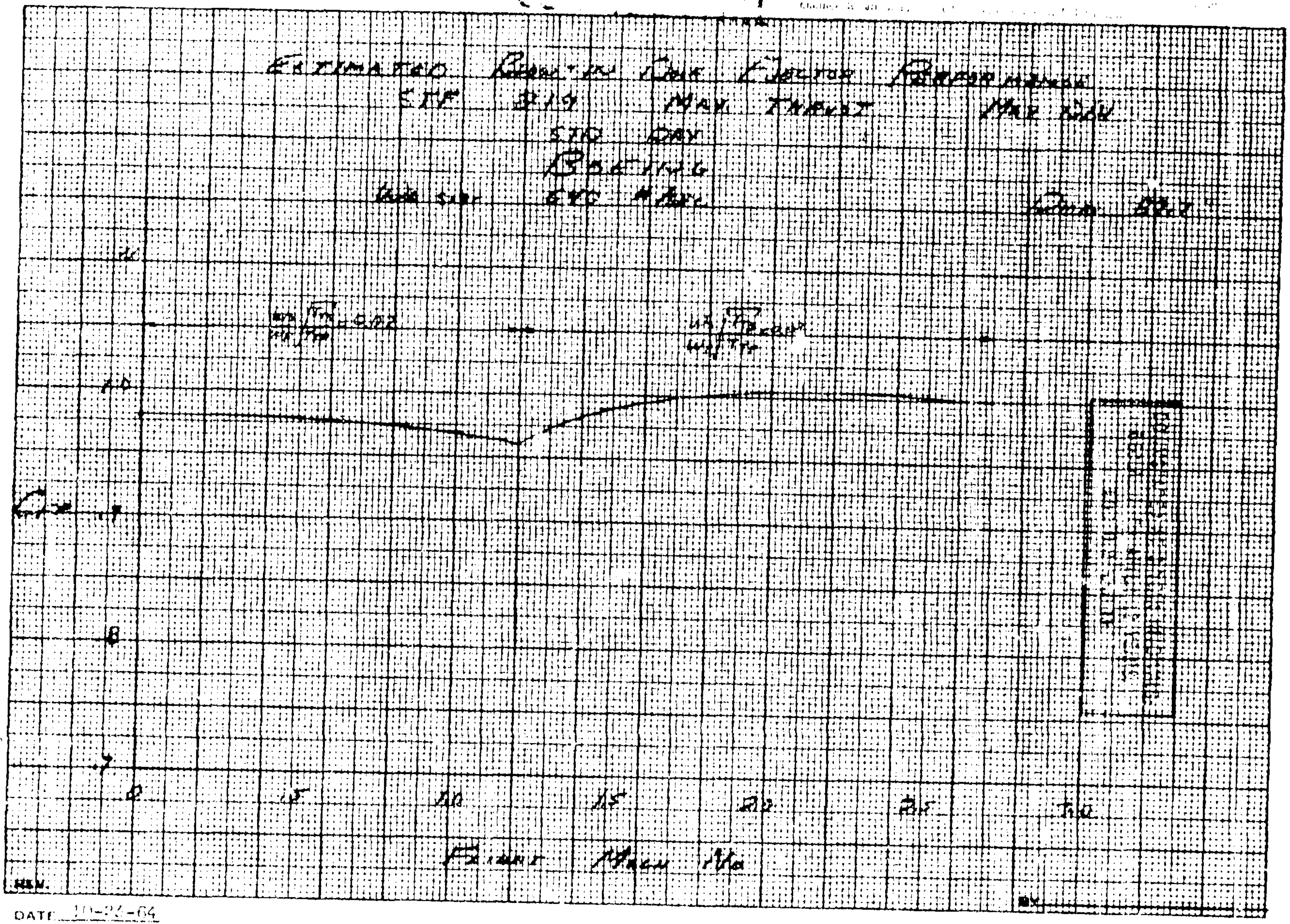

DATE 10-23-64

PWA FORM

PRATT & WHITNEY AIRCRAFT

CURVE NO. T-1[illegible]8

Sheet No. 74

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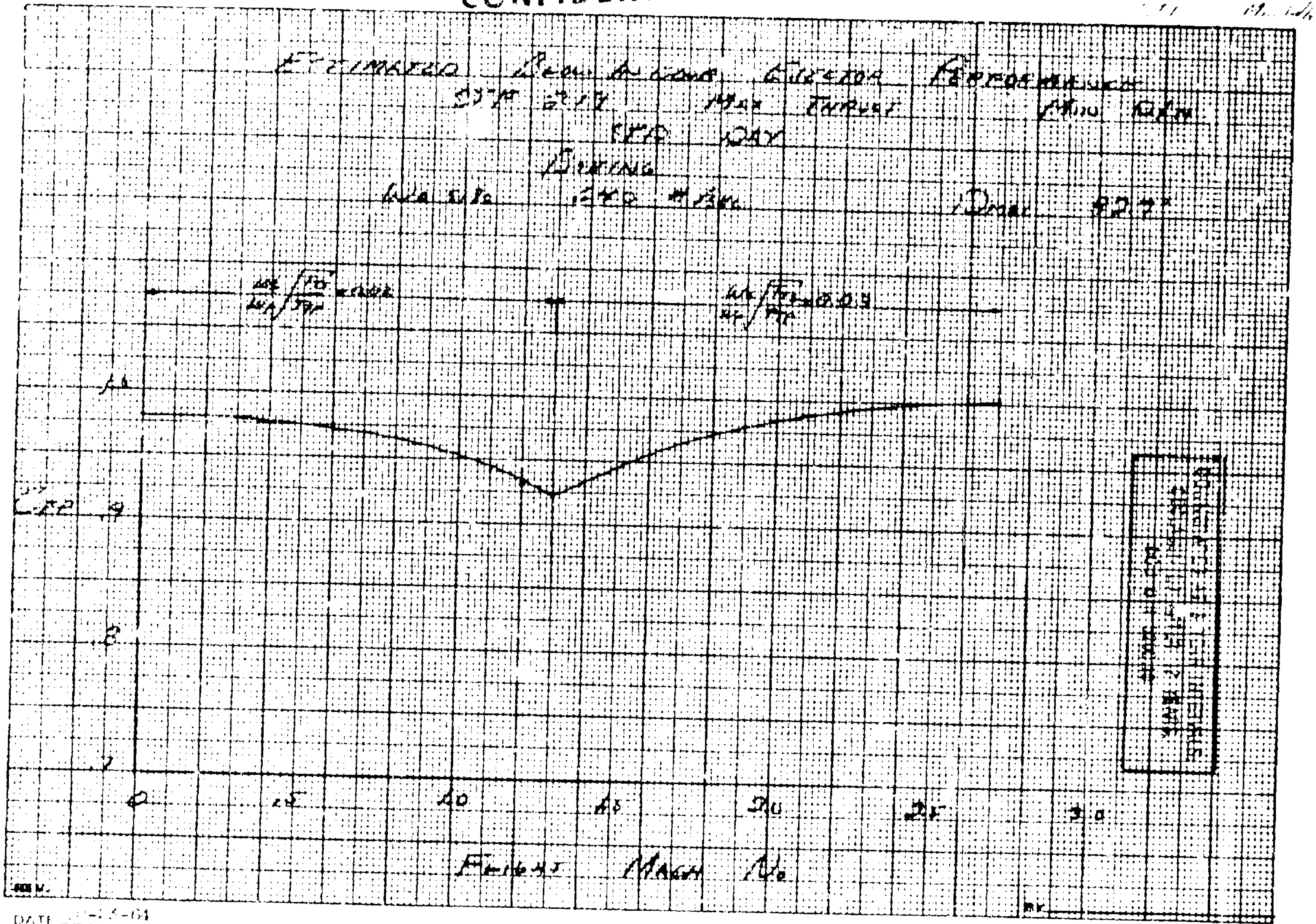

DATE -13-61

PRATT & WHITNEY AIRCRAFT

CURVE NO T-1066
Sheet No. 79

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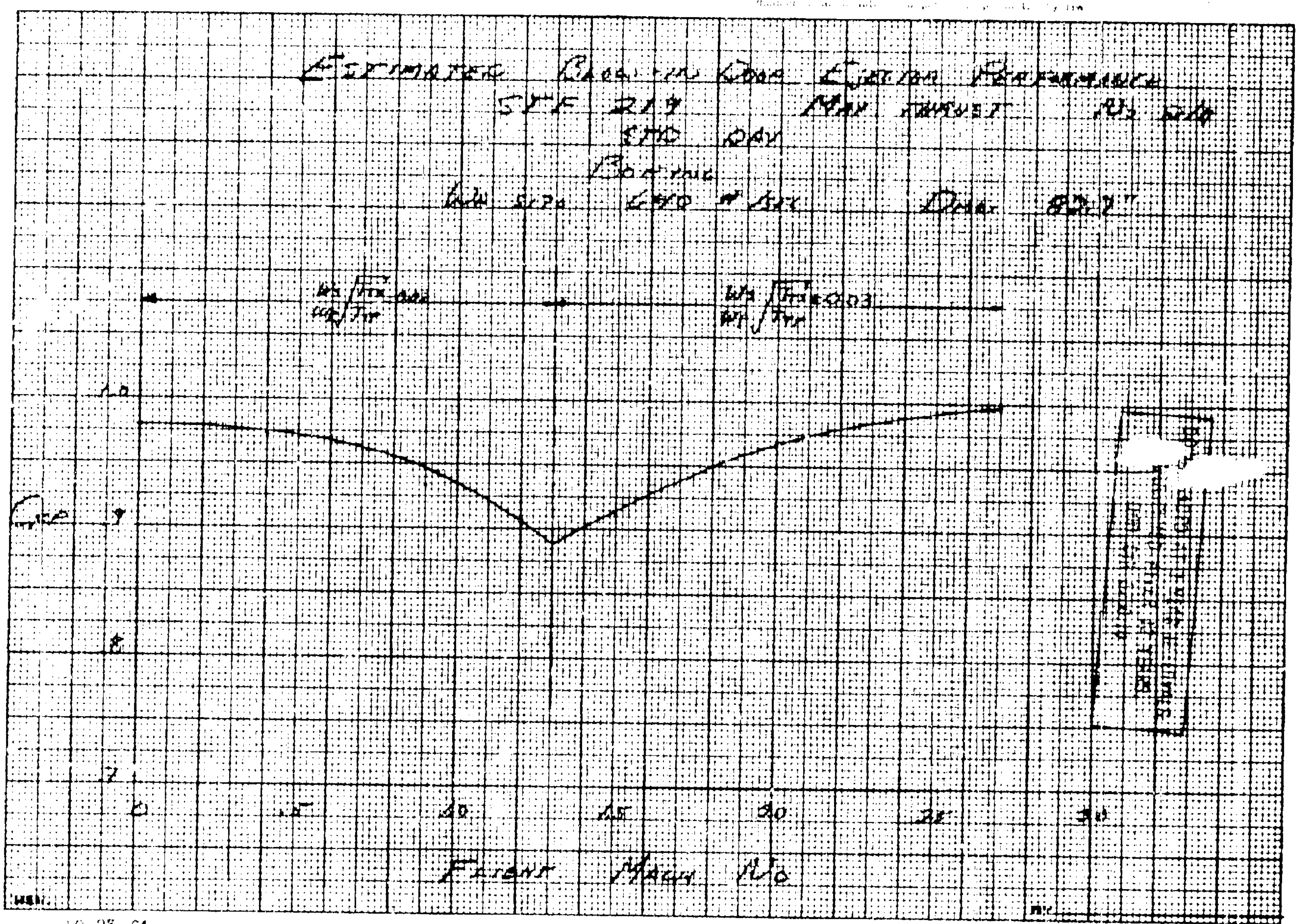

DATE 10-23-64

PWA FORM 3407B 10-59

PRATT & WHITNEY AIRCRAFT

CURVE NO. T-1688

Sheet No. 80

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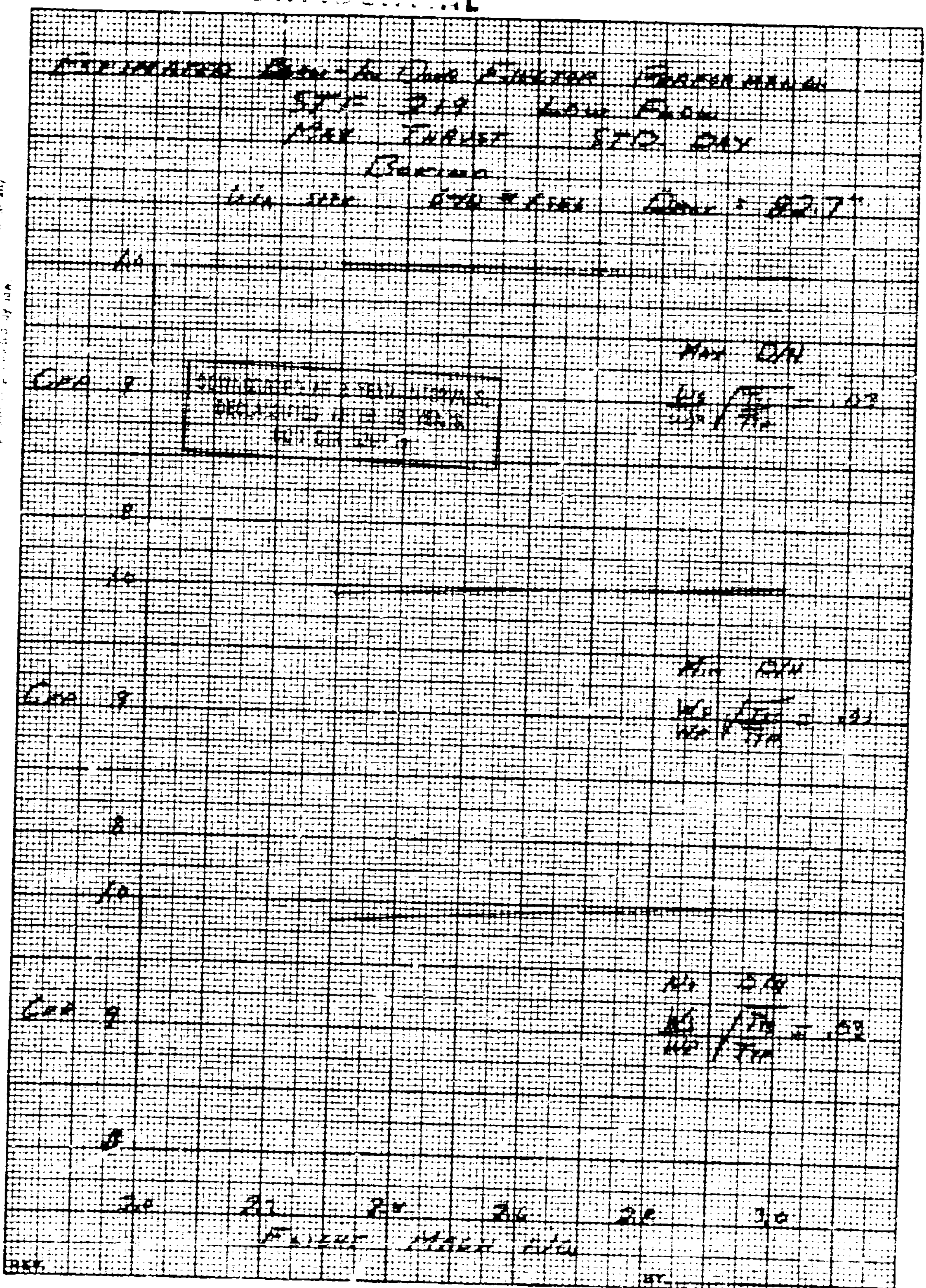
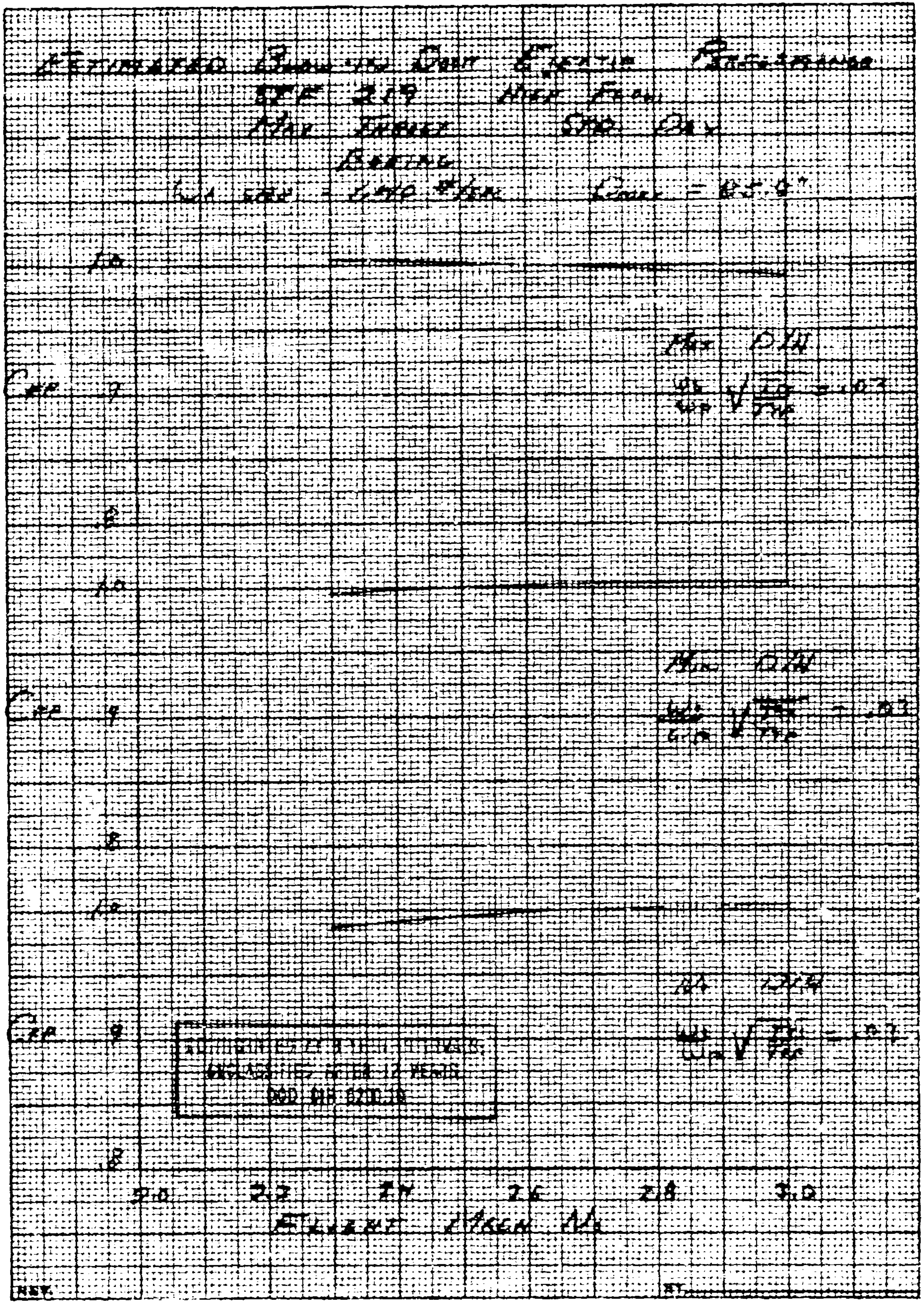


DOWNGRADED AT 3 YEAR INTERVALS;
DECLASSIFIED AFTER 12 YEARS.
DOD DIR 5200.10

DATE 1?-23-64

ESTIMATED BLOW-IN DOOR EJECTOR PERFORMANCE
STF 219 HIGH FLOW
MAX THRUST STD. DAY
BOEING
Wa corr = 1540 #/sec Dexit = 85.4"



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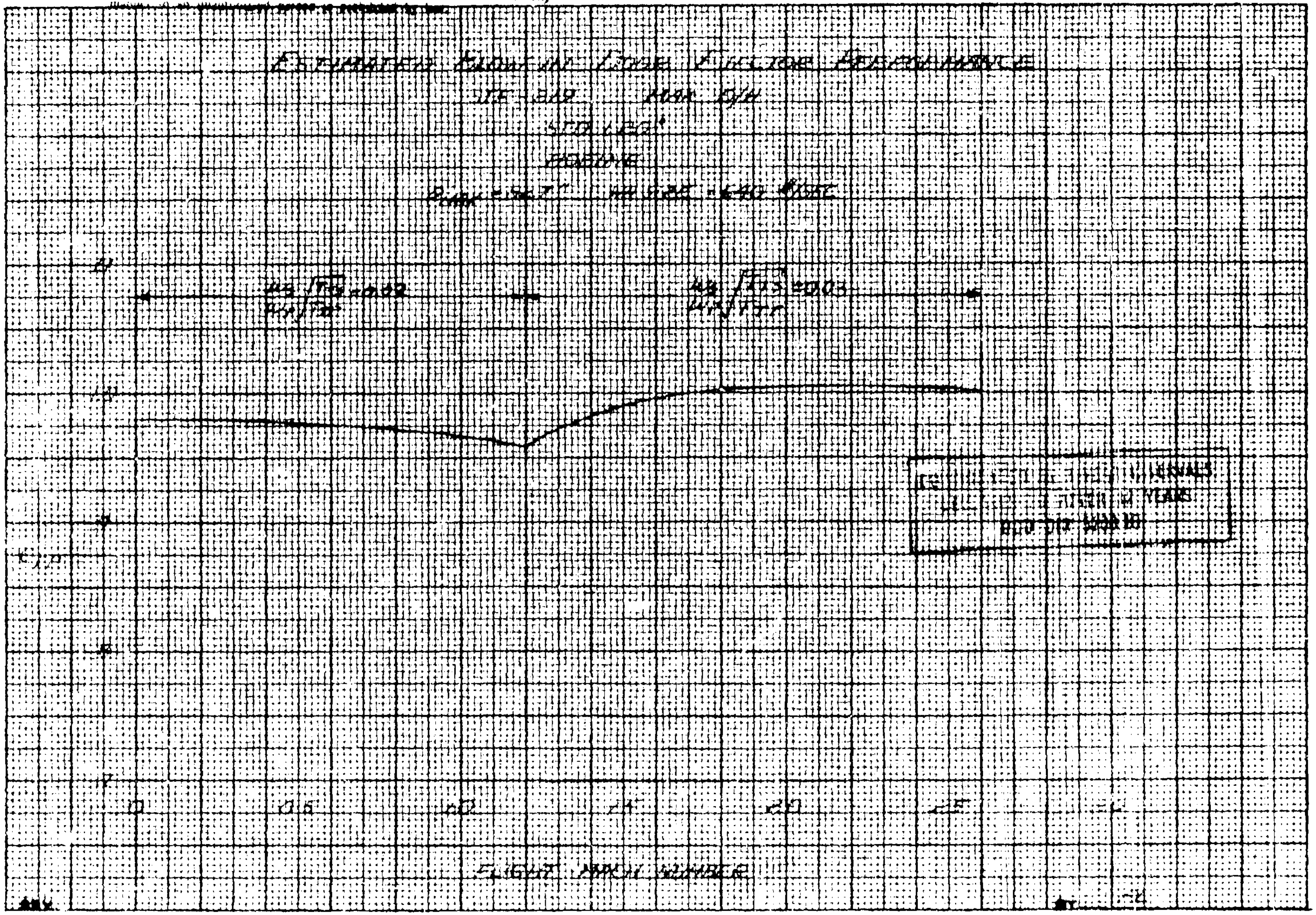
DECLASSIFIED AFTER 12 YEARS.
DOD DIR 5200.10

DATE 10-23-64

CURVE NO. ?-1658
Sheet 82



DATE

PWA FORM 3407B 10-56

PRATT & WHITNEY AIRCRAFT

CURVE NO

Sheet

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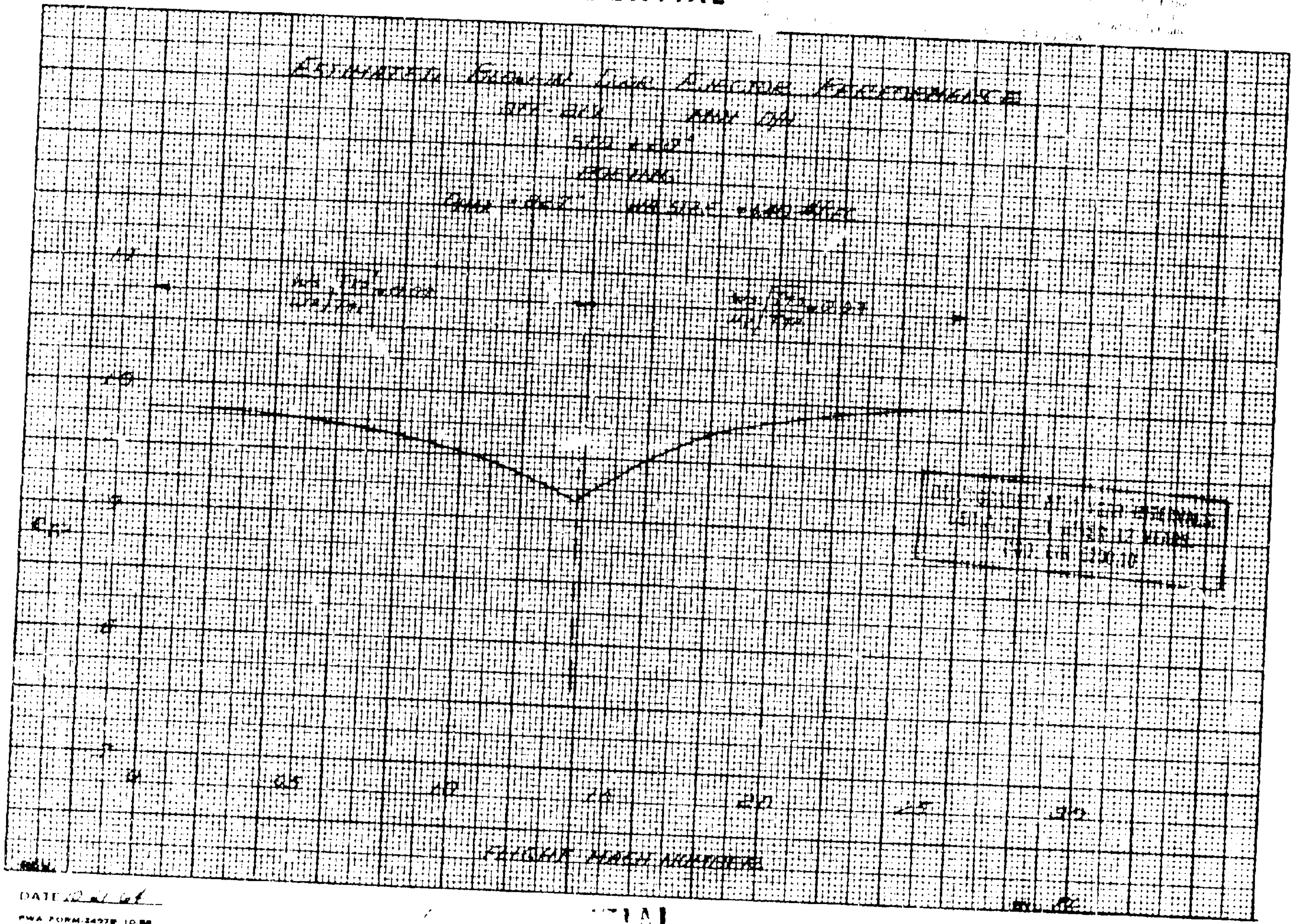

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PWA FORM

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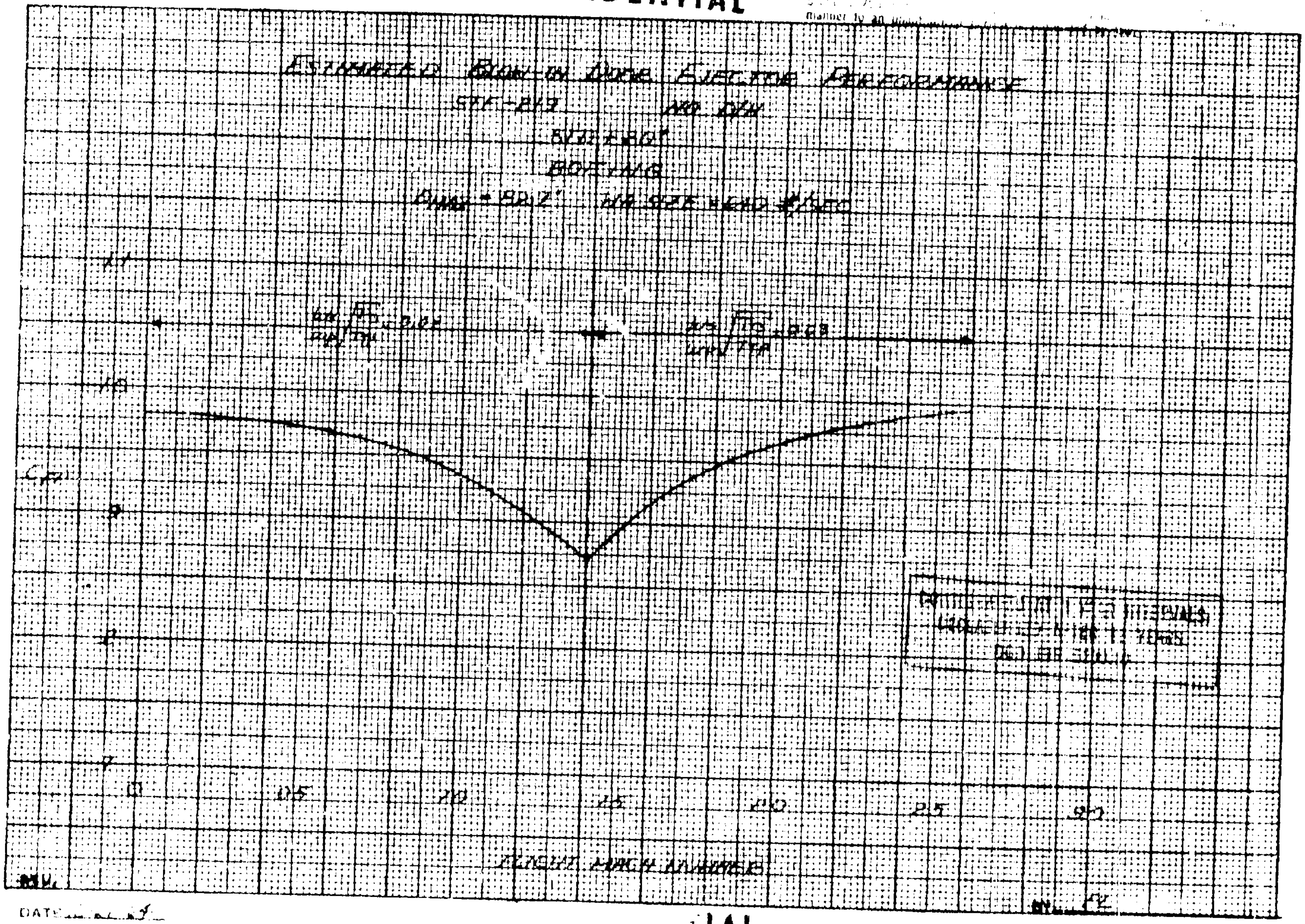
PRATT & WHITNEY AIRCRAFT

CURVE NO P-1688

Sheet 84

CONFIDENTIAL



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PRATT & WHITNEY AIRCRAFT

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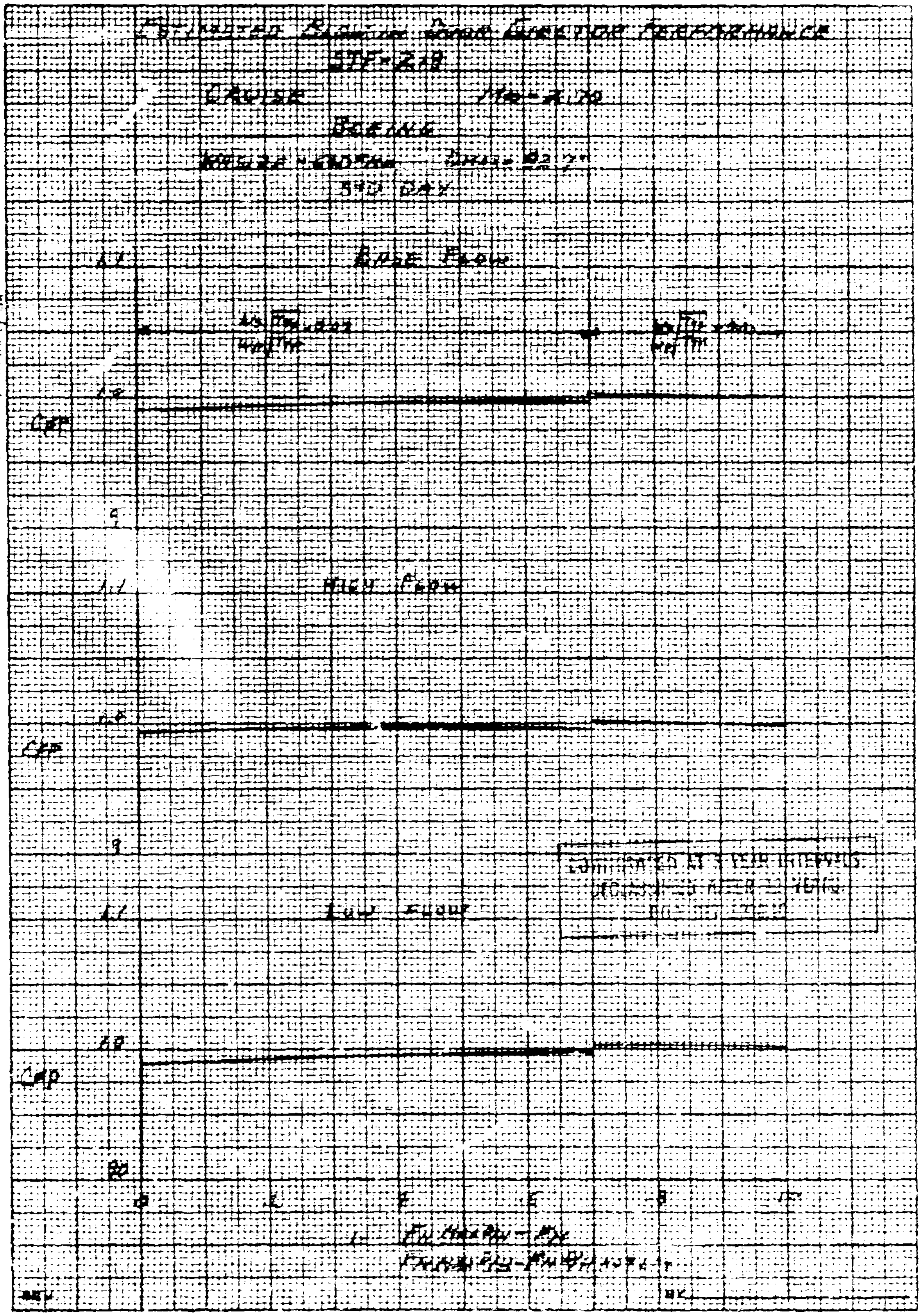

DATE 11-23-64

PRATT & WHITNEY AIRCRAFT

CURVE NO. [illegible]

C[illegible]TIAL

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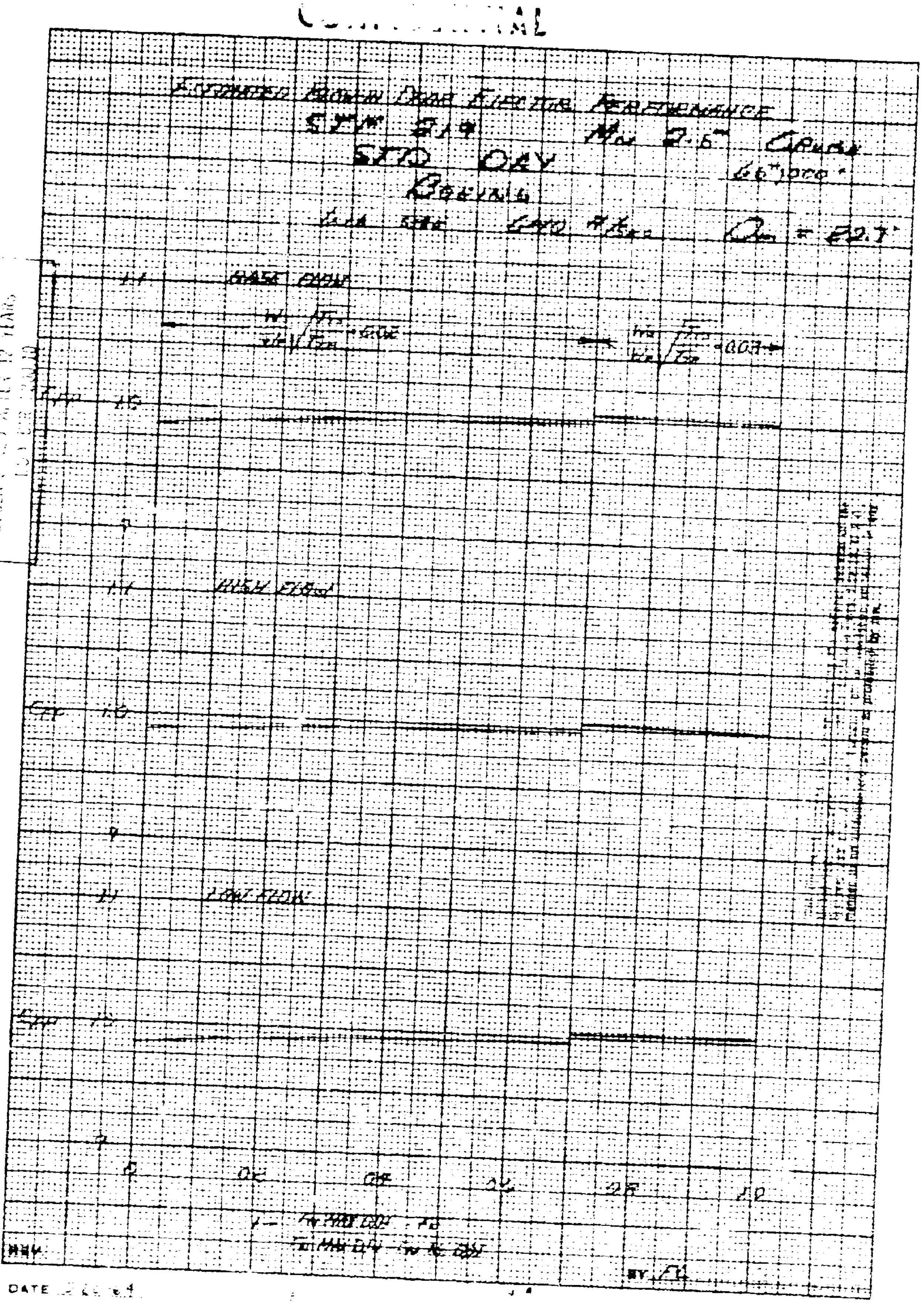
DECLASSIFIED AFTER 12 YEARS
DOD DIR 5200.10



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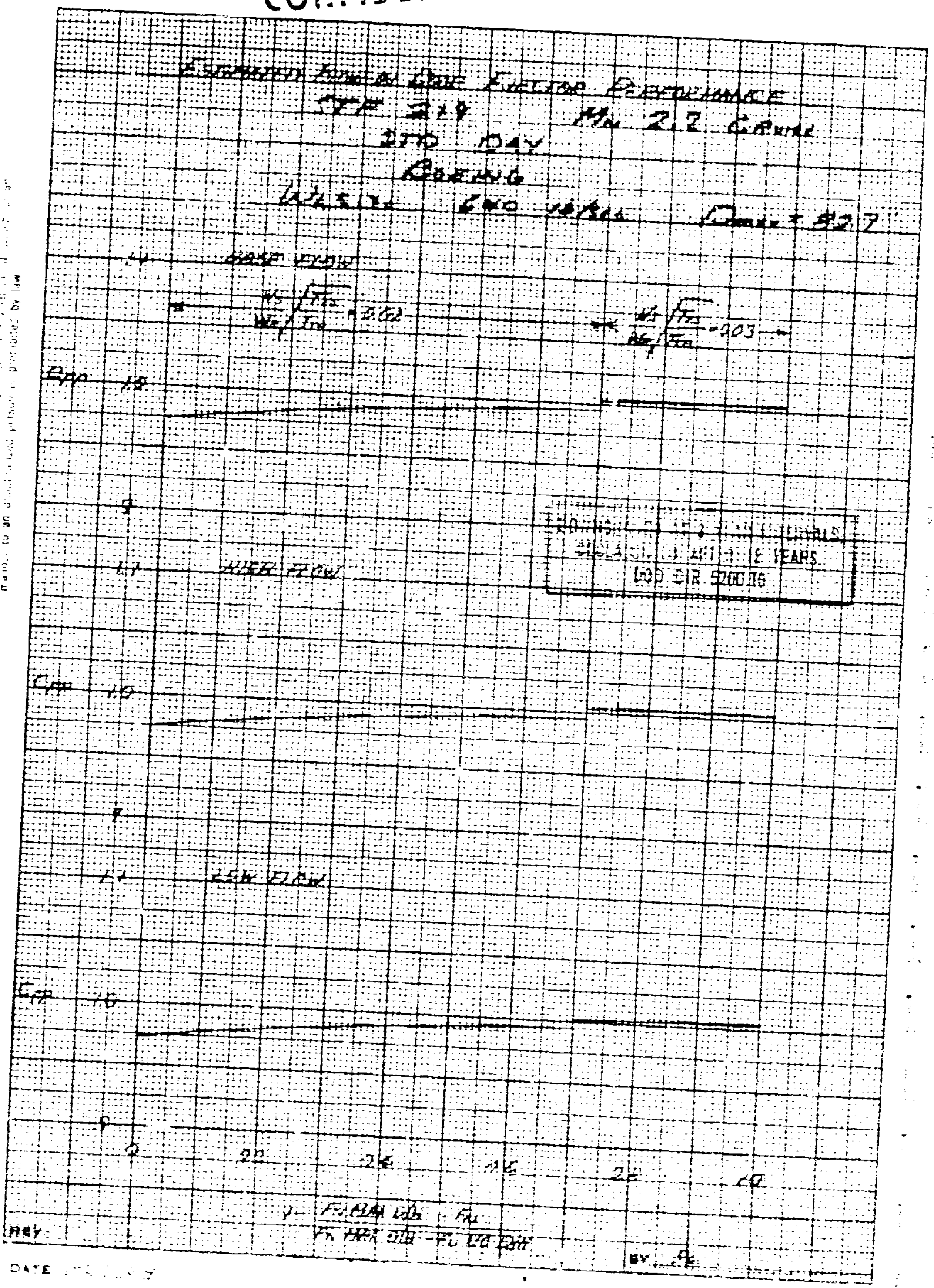
PWA FORM [illegible]

PRATT & WHITNEY AIRCRAFT

CURVE NO. [illegible]

CONFIDENTIAL



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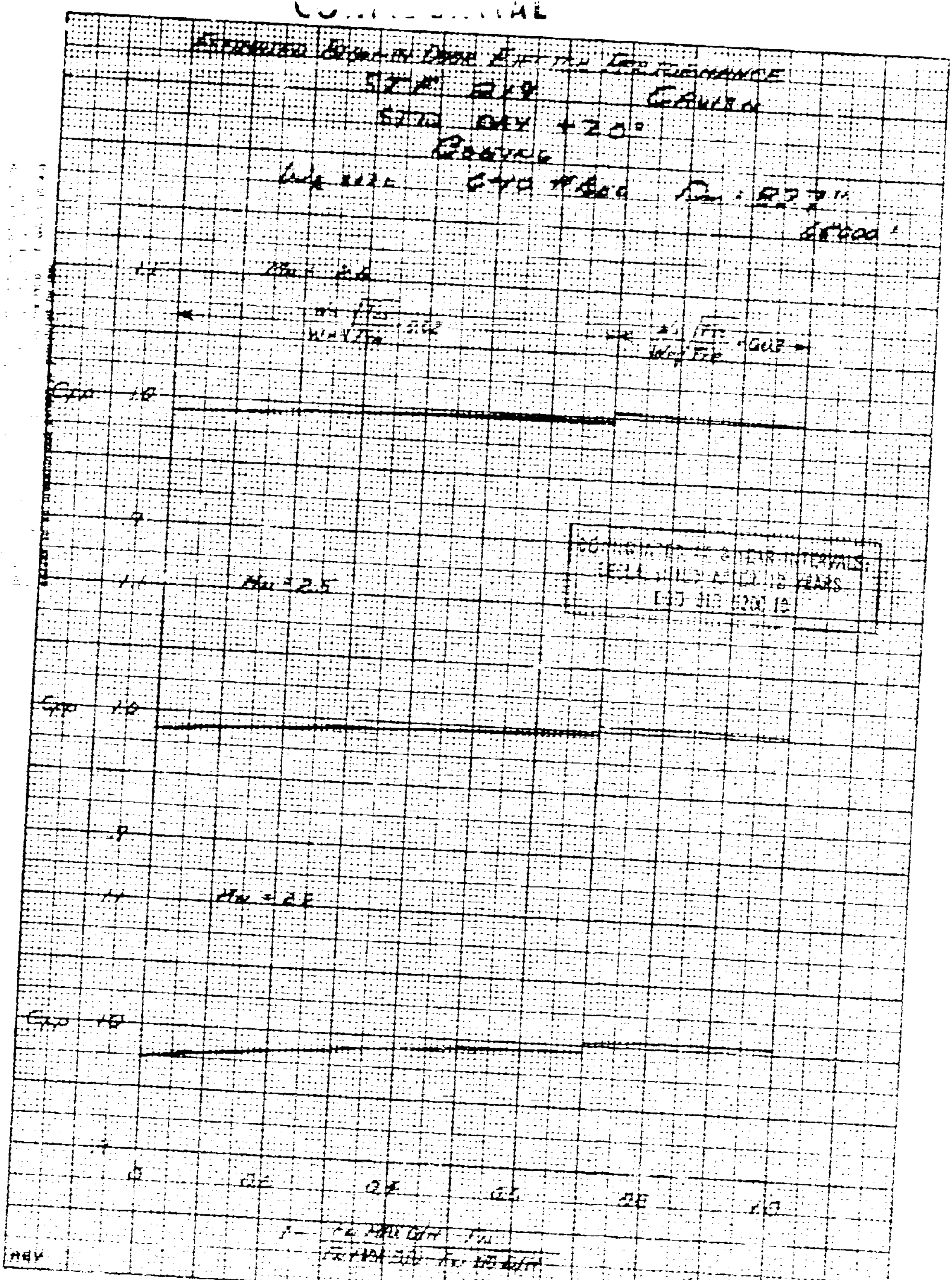
DECLASSIFIED AFTER 12 YEARS.
DOD DIR 5200.10

DATE [illegible]

BY [illegible]

PRATT & WHITNEY AIRCRAFT

CURVE NO. [illegible]



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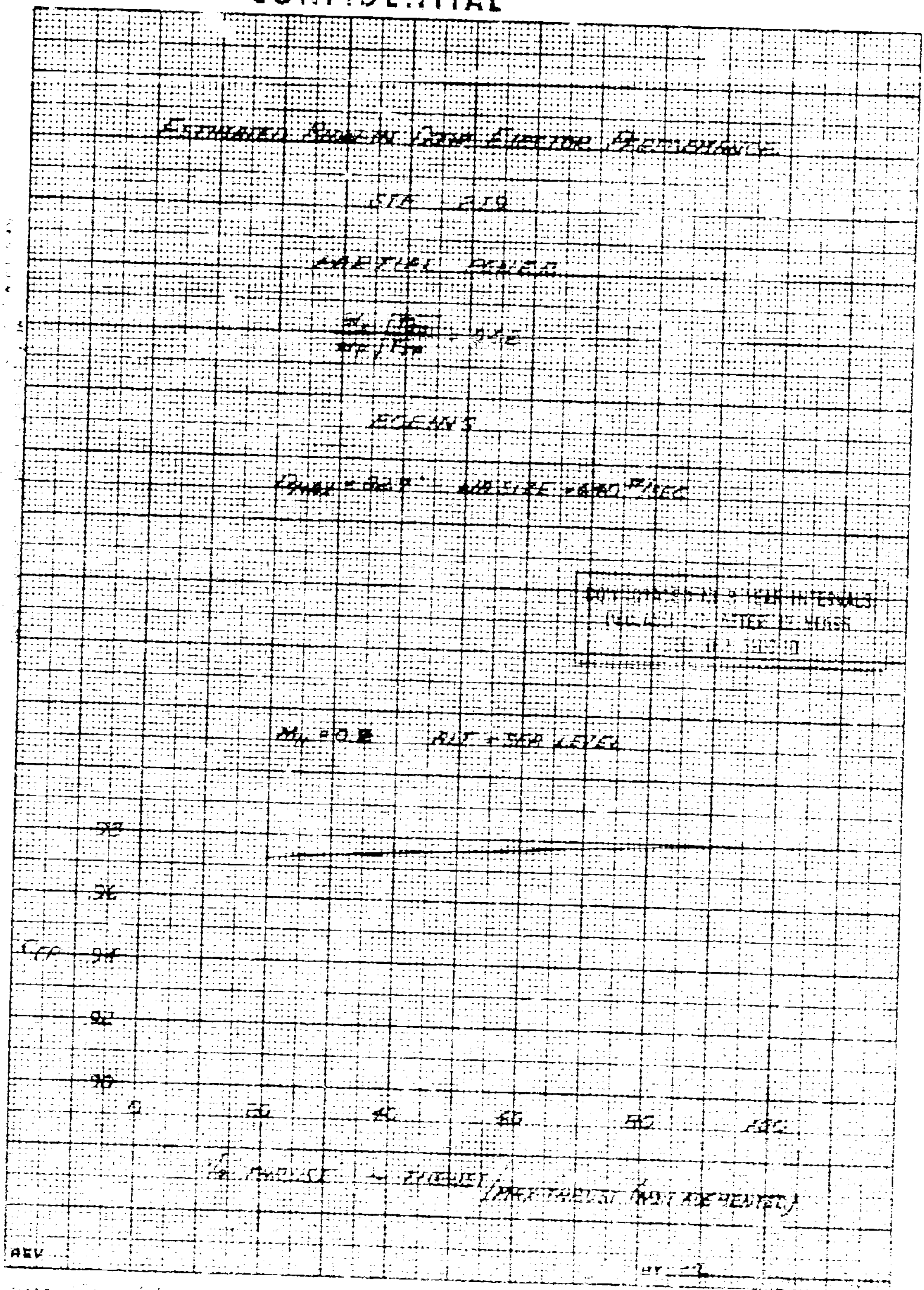
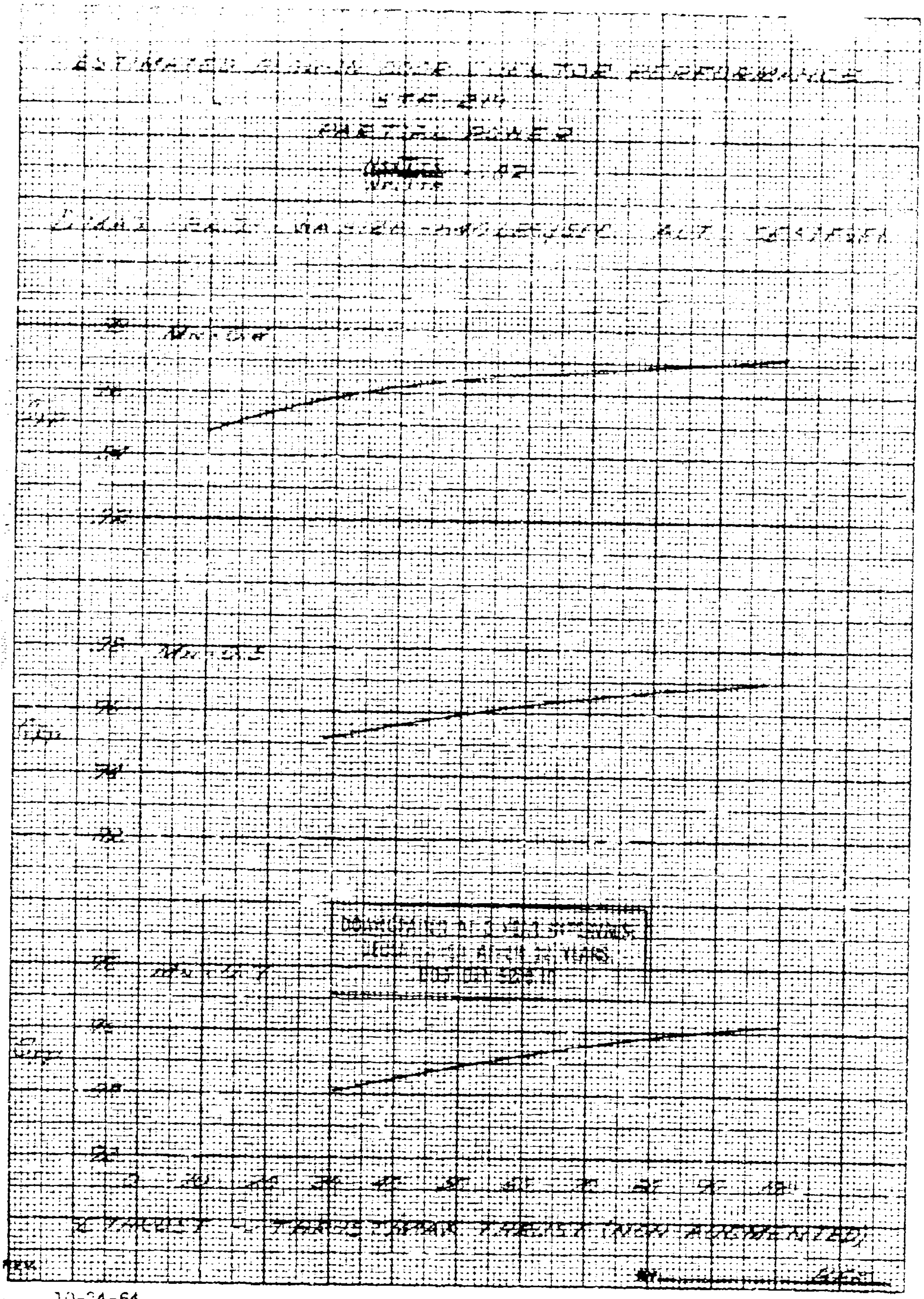
DECLASSIFIED AFTER 12 YEARS.
DOD DIR 5200.10


ESTIMATED ... EJECTOR PERFORMANCE
STA 219
ECEAN'S
M = 0.8 ALT = SEA LEVEL
98
96
Cff 94
92
90
0
20
40
60
80
100
% THRUST
(PART THRUST NOT AUGMENTED)
REV
BY

DATE



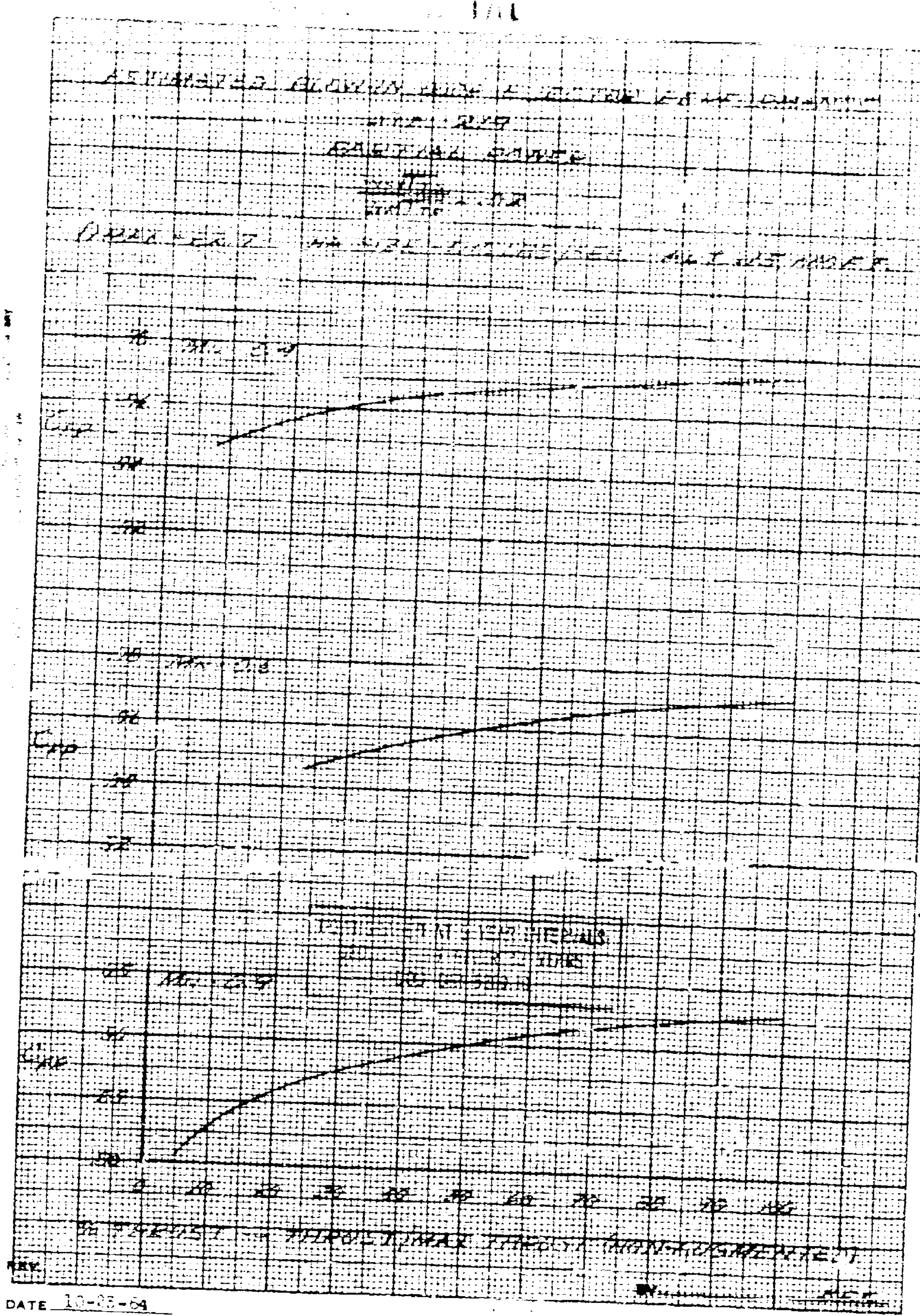
DOWNGRADED AT 3 YEAR INTERVALS;
DECLASSIFIED AFTER 12 YEARS.
DOD DIR 5200.10

DATE 10-24-64

PWA FORM 3407 10-58

PRATT & WHITNEY AIRCRAFT

CURVE NO. [illegible]
Sheet 81



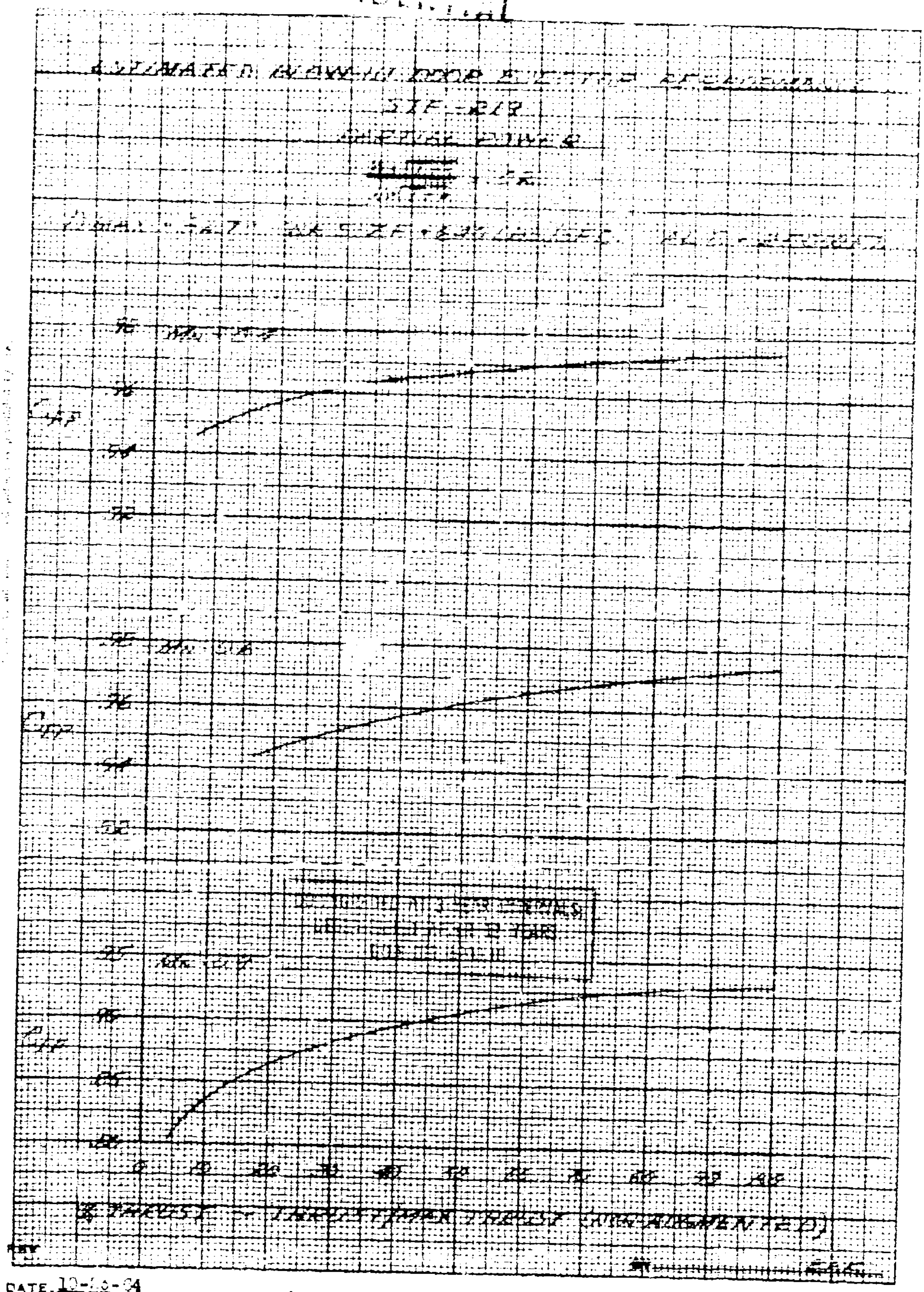
DATE 10-23-64

PWA FORM 3407 10-59

PRATT & WHITNEY AIRCRAFT

CURVE NO T-1688
Sheet 92

CONFIDENTIAL



DATE 10-[illegible]-64

PWA FORM-3407 10-59

PRATT & WHITNEY AIRCRAFT

CURVE NO. T-1588
Sheet 93

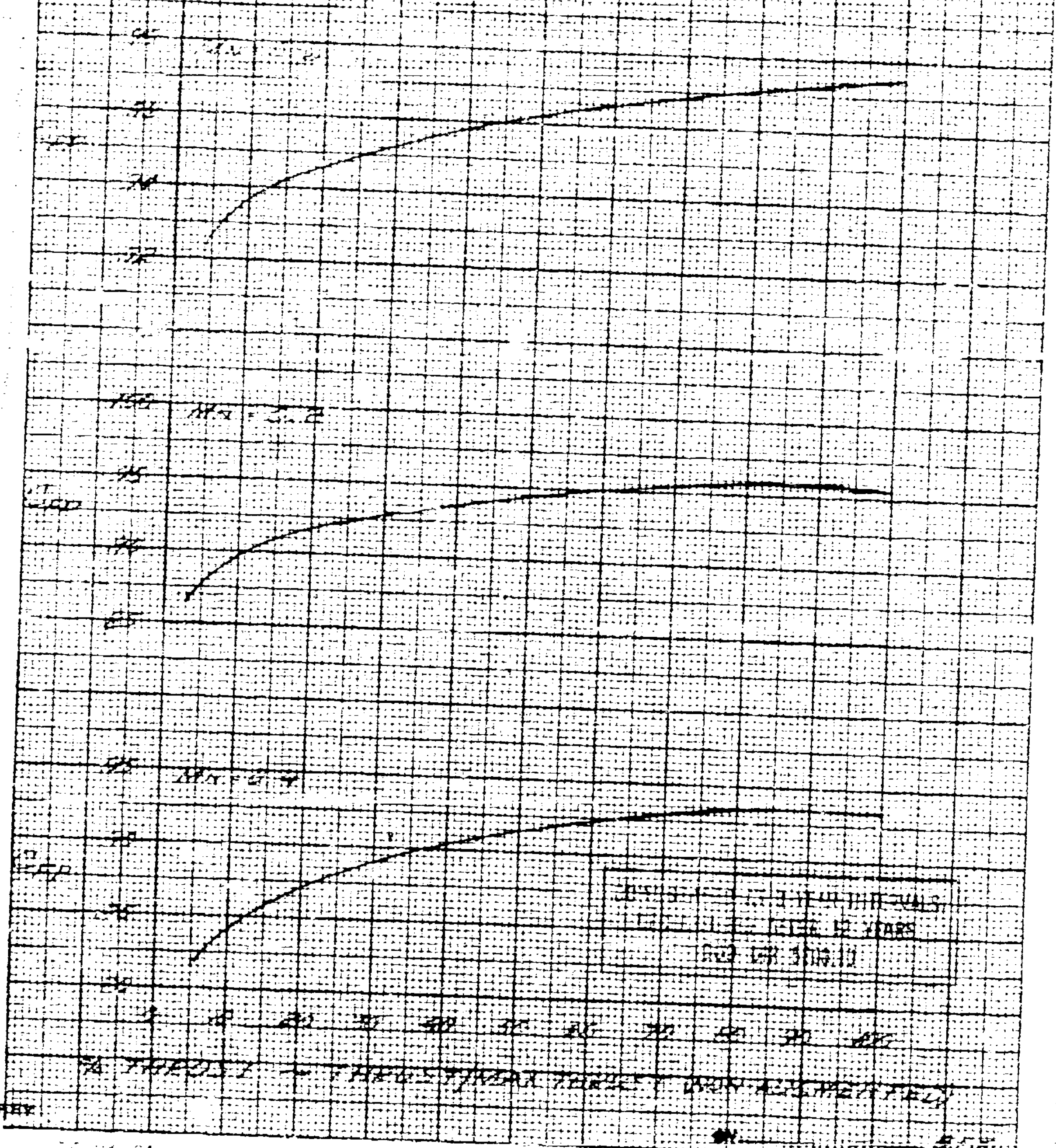
CONFIDENTIAL

ESTIMATED [illegible] PERFORMANCE

[illegible]

PARTIAL POWER

[illegible]



DOWNGRADED AT 3 YEAR INTERVALS; DECLASSIFIED AFTER 12 YEARS DOD DIR 5200.10

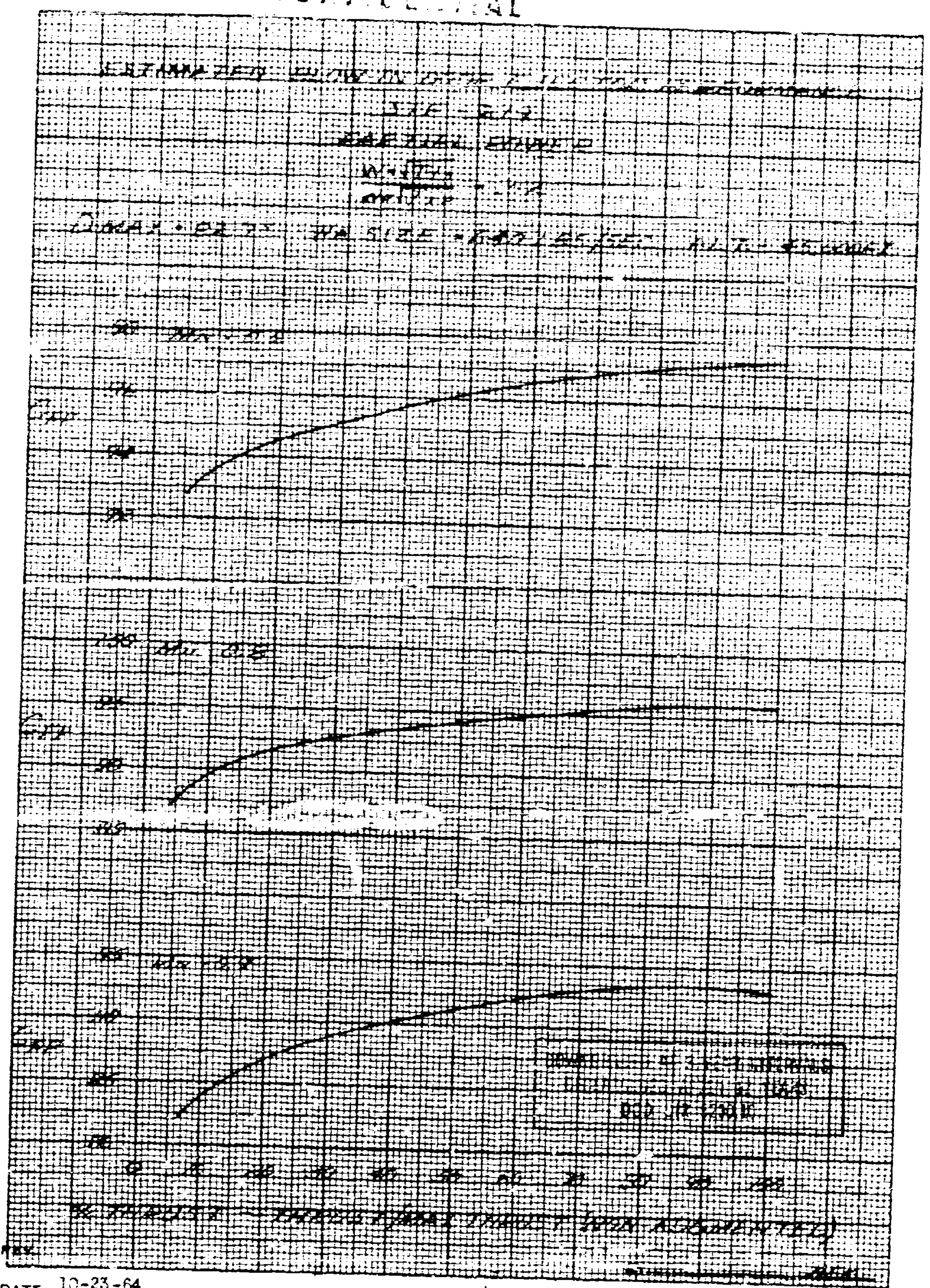
REV

DATE 10-15-64

PRATT & WHITNEY AIRCRAFT

CURVE NO. T-1088
Sheet 84

CONFIDENTIAL



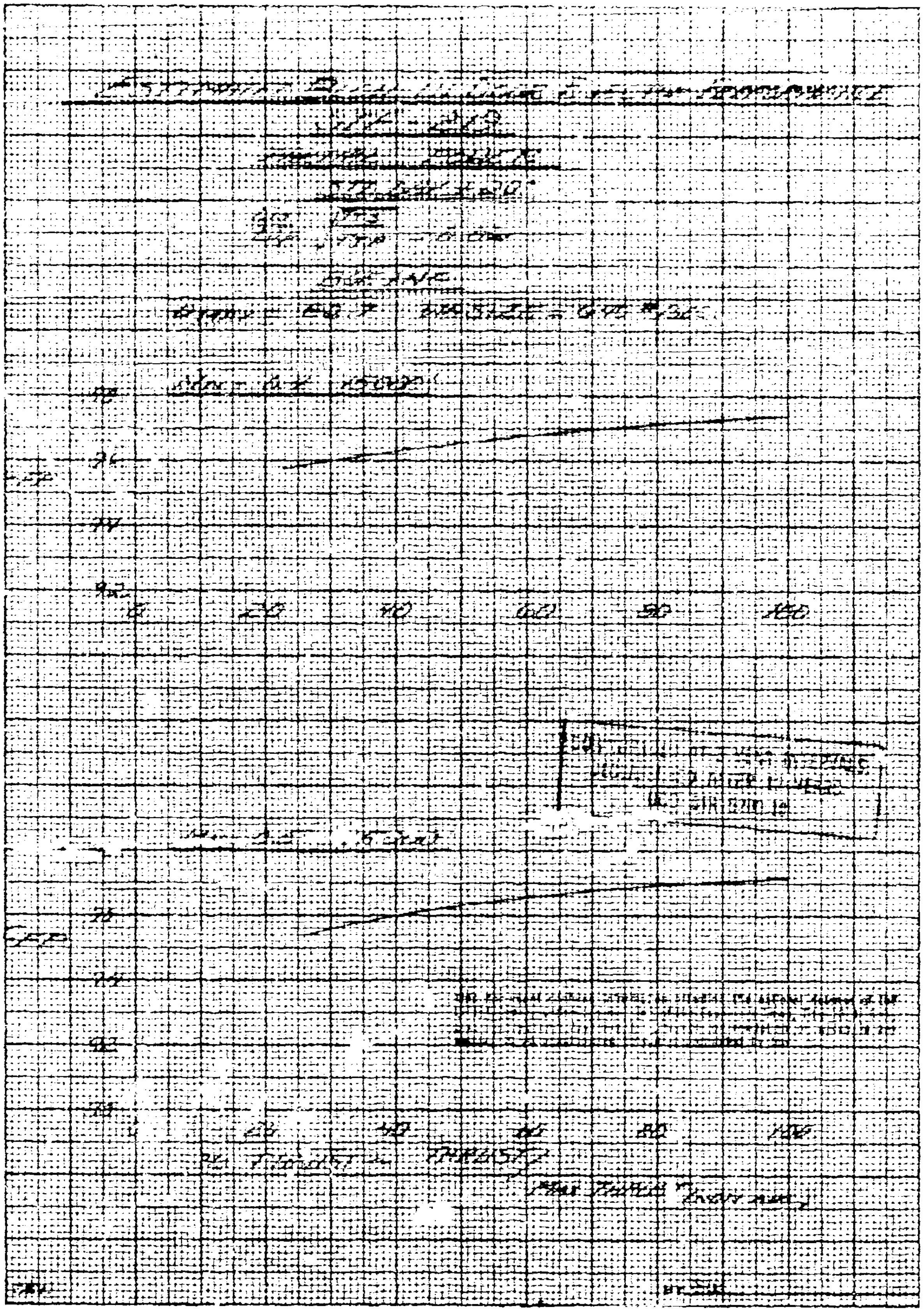
DATE 10-23-64

PWA FORM-3407 10-59

PRATT & WHITNEY AIRCRAFT

CURVE NO. T-1688
Sheet 95

CONFIDENTIAL

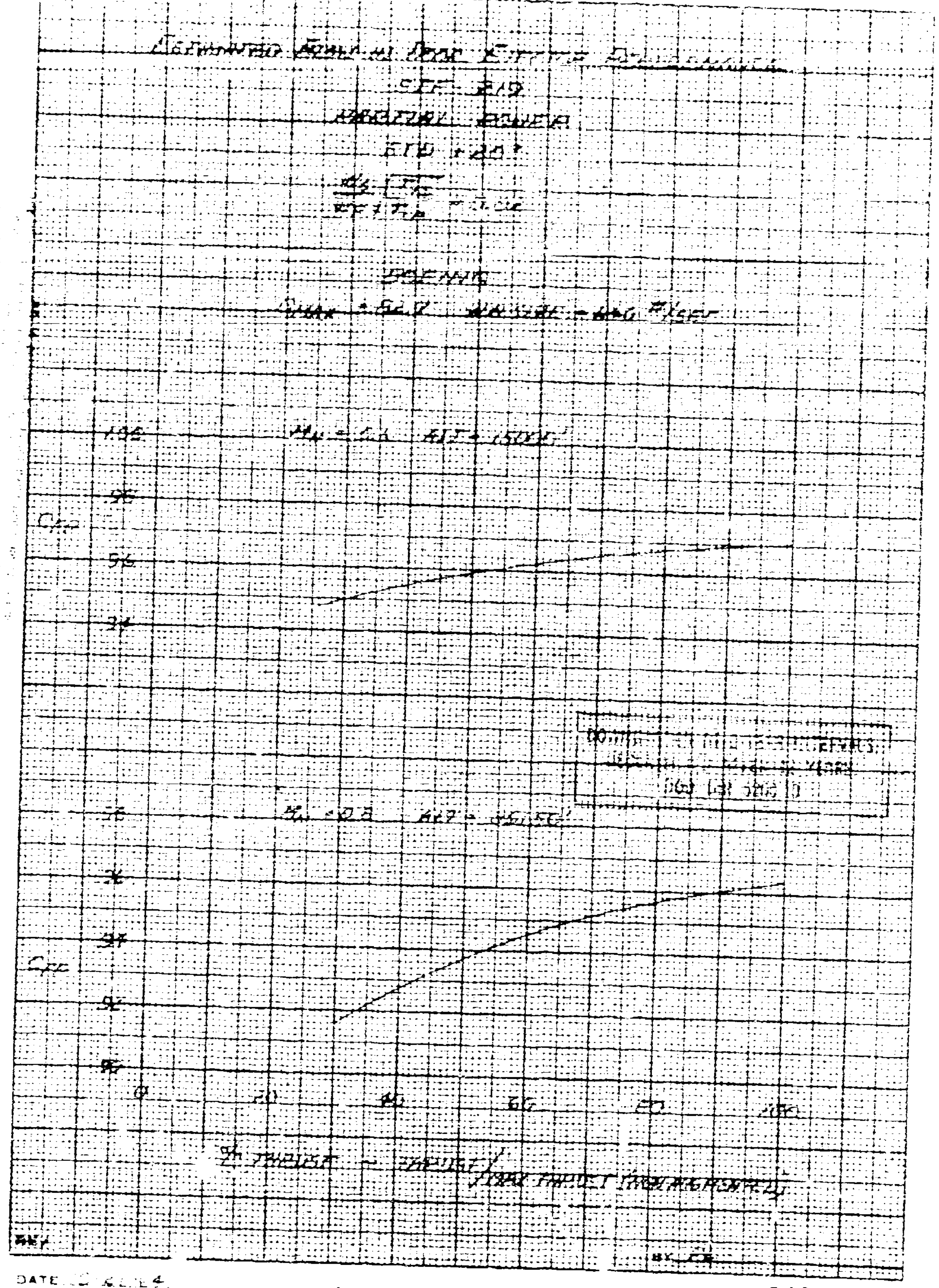


DATE [illegible]

PRATT & WHITNEY AIRCRAFT

CURVE NO. T-1688
Sheet 96

CO



DOWN[illegible] INTERVALS;
[illegible] YEARS
DOD DIR 5200.10

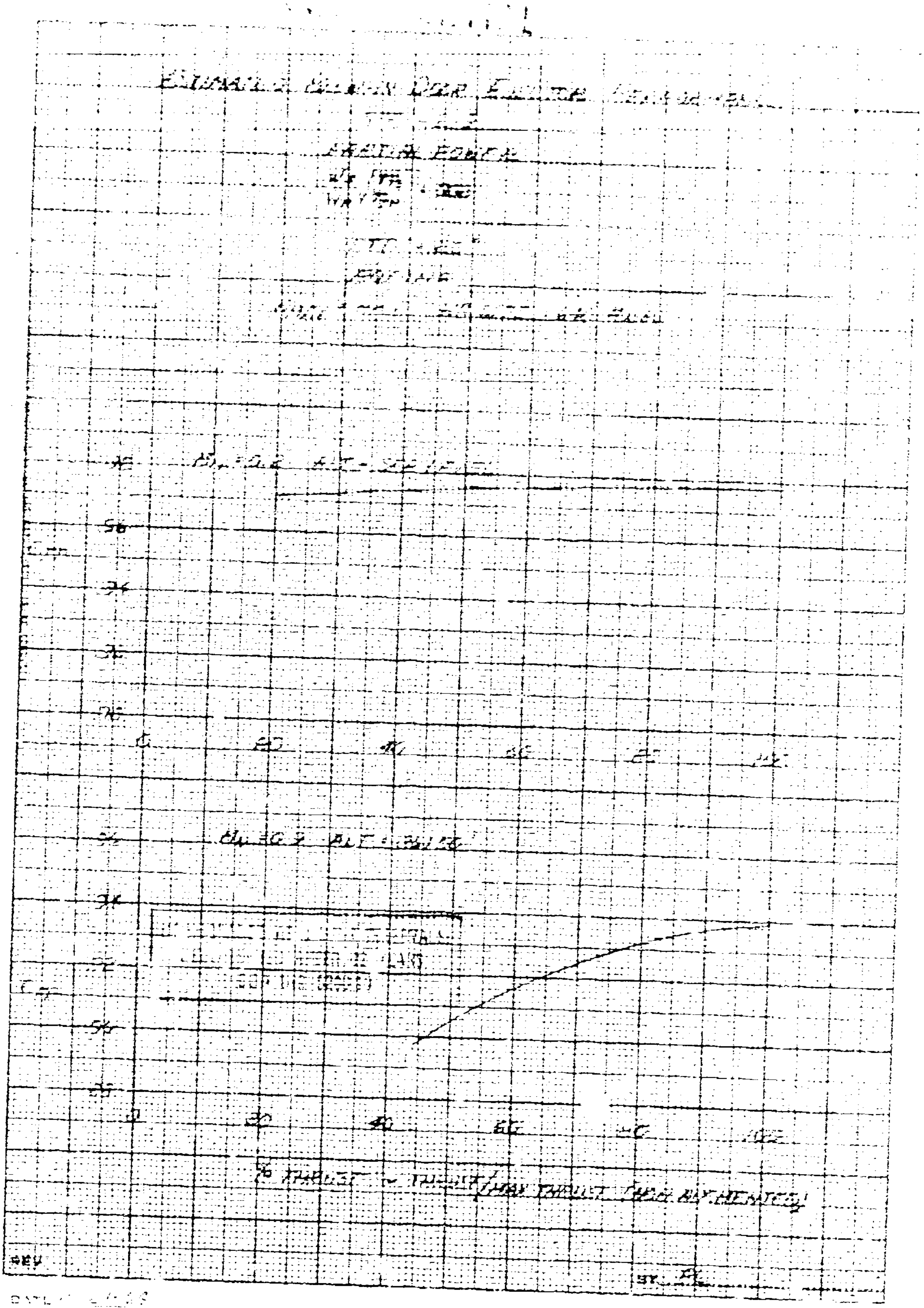
DATE [illegible]

PWA FORM [illegible]

PRATT & WHITNEY AIRCRAFT

CURVE NO. T-1088

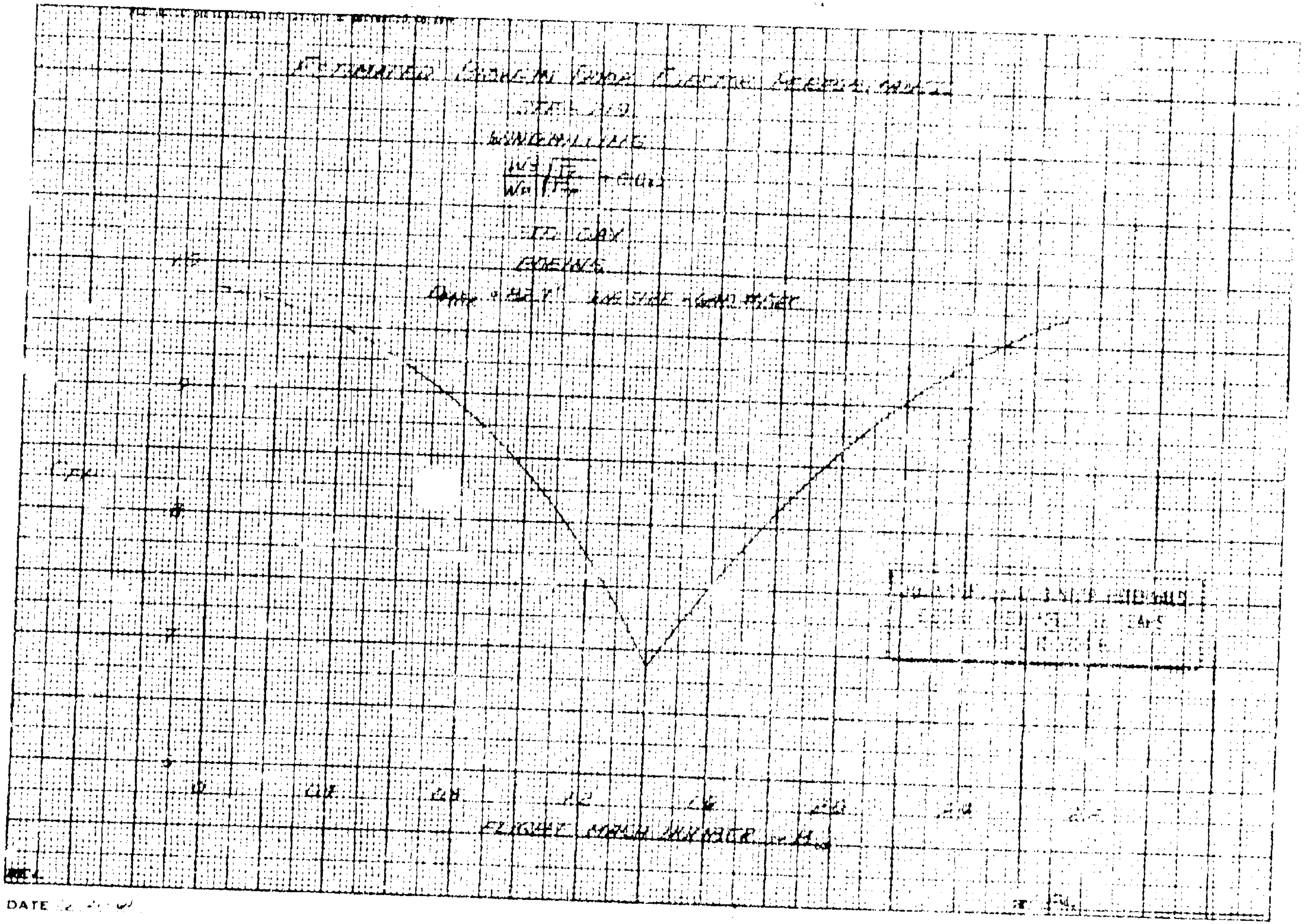
Sheet 27



DATE

PRATT & WHITNEY AIRCRAFT

CURVE NO



DATE

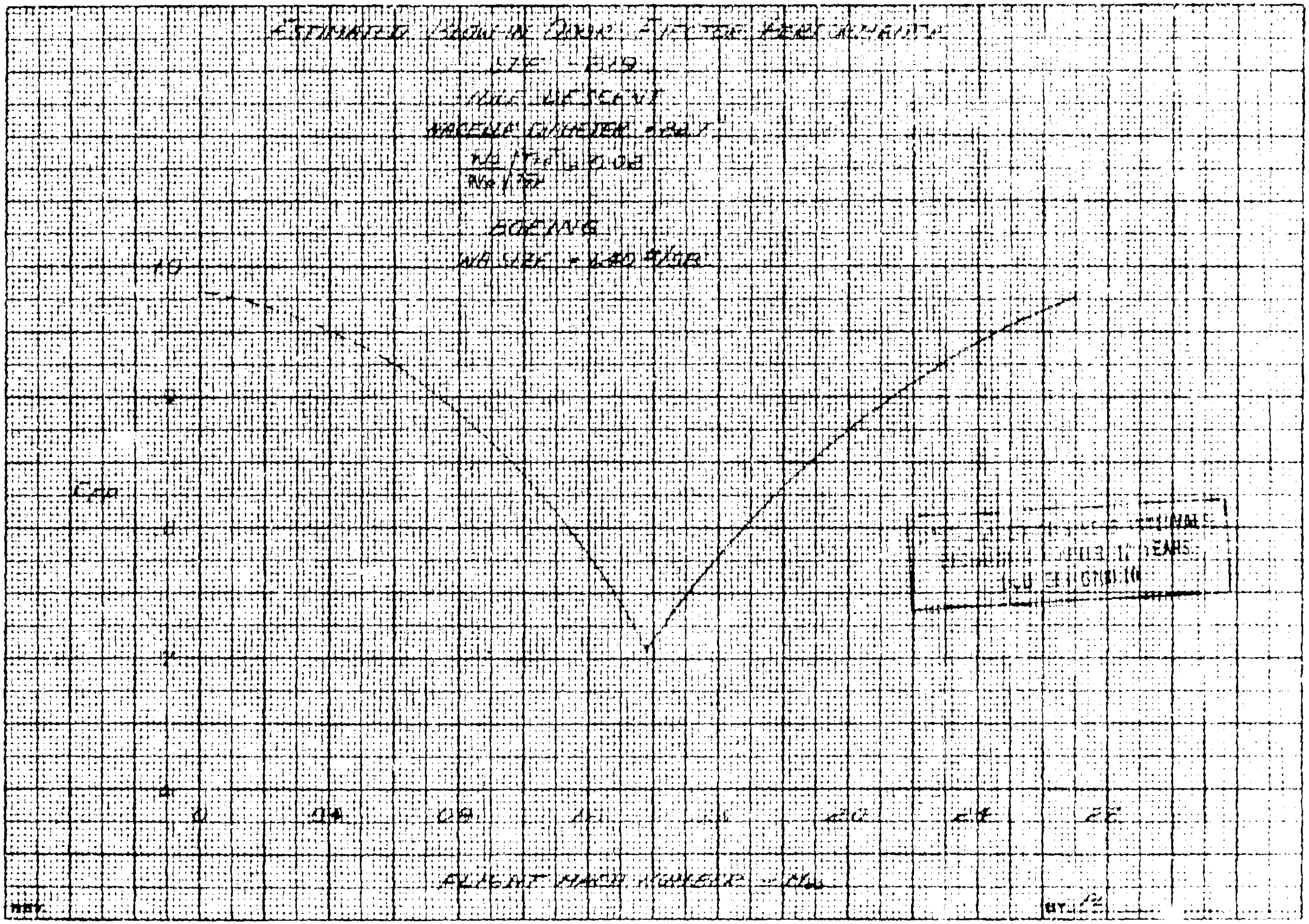
PWA FORM 34078 10-66

PRATT & WHITNEY AIRCRAFT

CURVE NO.

Sheet

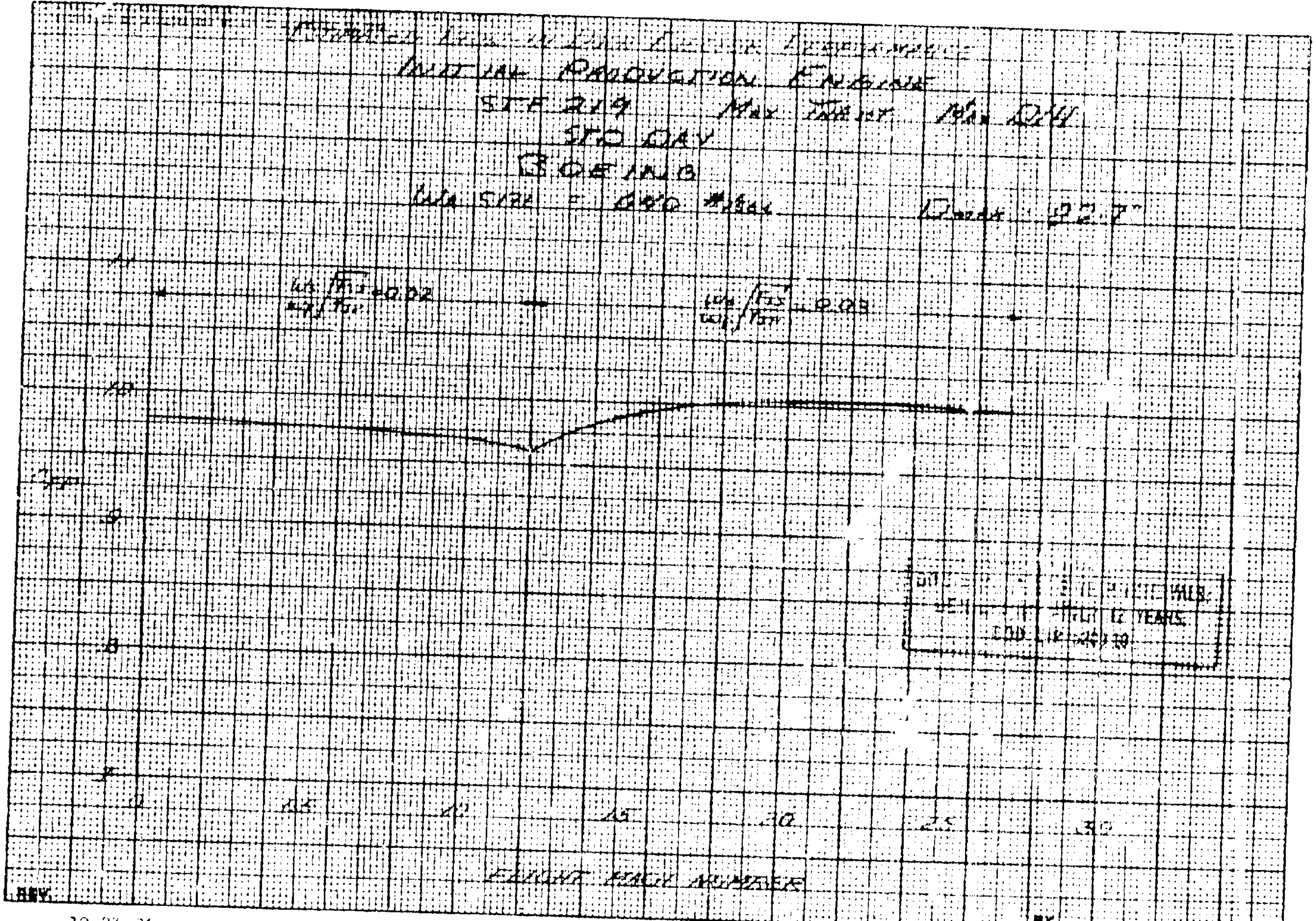
CONFIDENTIAL



DATE

PRATT & WHITNEY AIRCRAFT

CURVE NO.


[illegible]
Initial Production Engine
STF 219 Max Thrust Max Dry
STD DAY
BOEING
WA SIZE = 680 #/sec Dmax 92.7"

DOD DIR 5200.10 … 12 YEARS.

REV.

DATE 10-23-64

PWA FORM-3407B 10-56

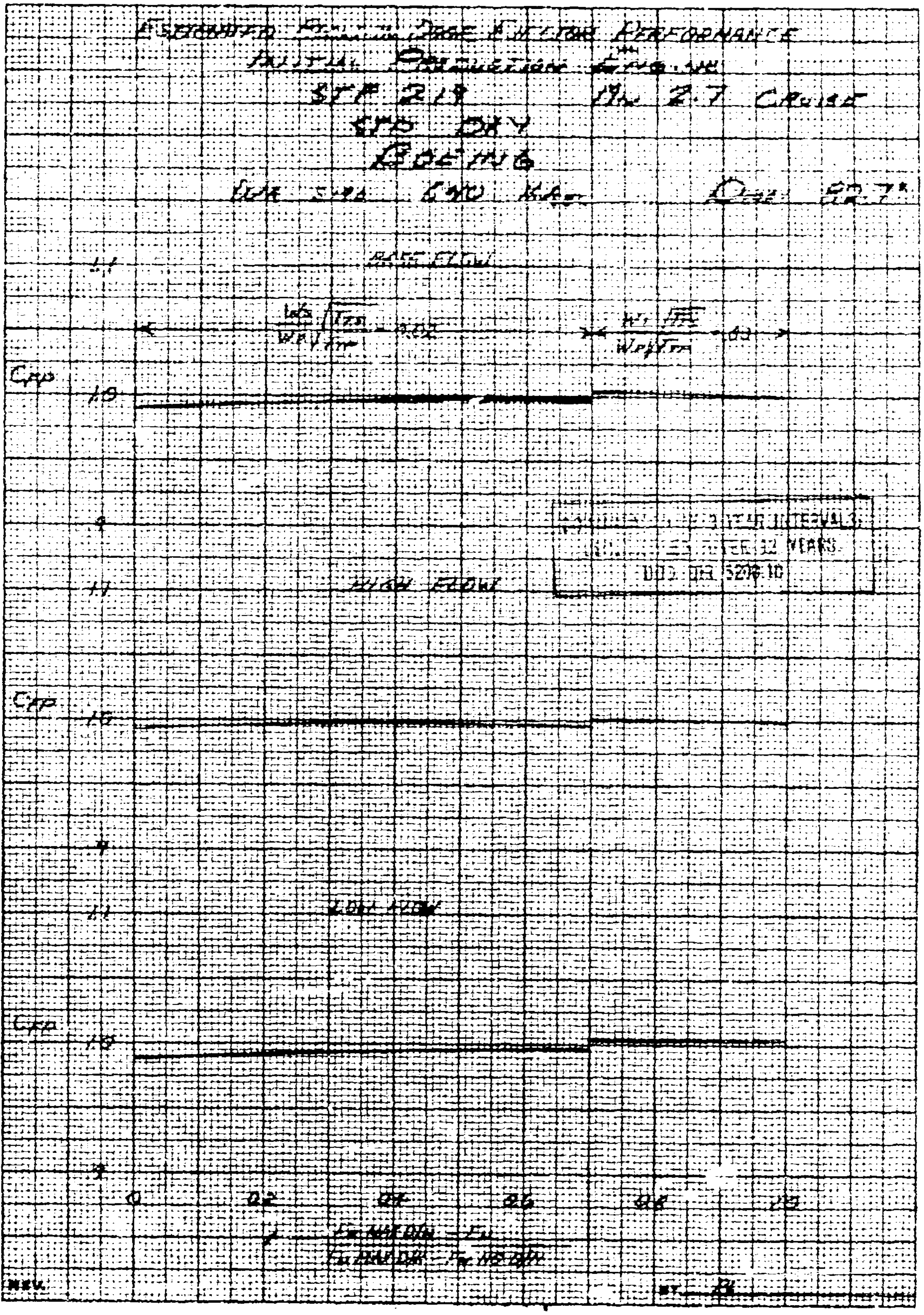
CONFIDENTIAL

PRATT & WHITNEY AIRCRAFT

BY

CURVE NO T-1586
Sheet 10

CONFIDENTIAL



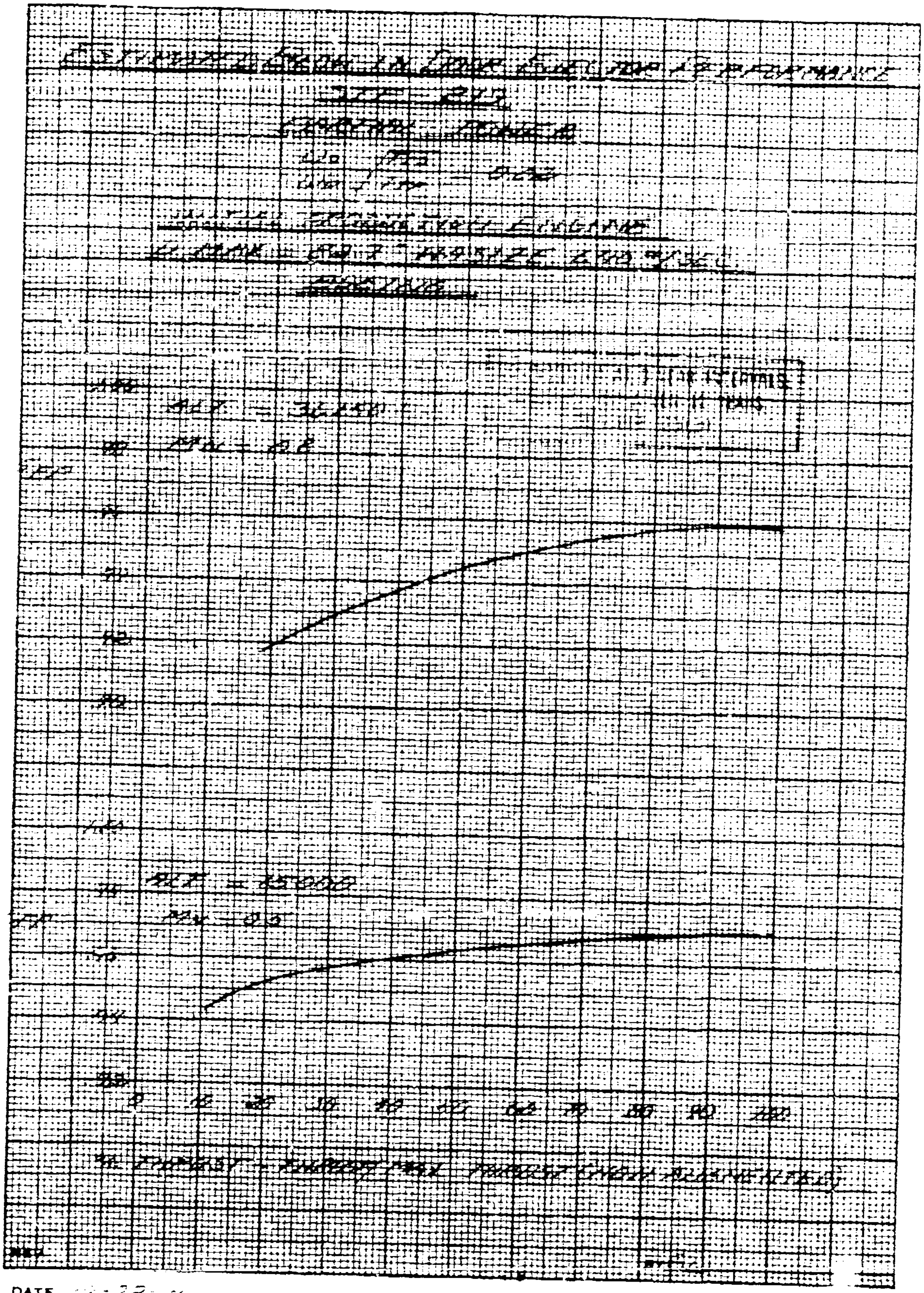
DATE 10-11-64

CURVE NO. T-1688

PWA FORM 2607 10 59

PRATT & WHITNEY AIRCRAFT

Sheet 102



DATE [illegible]

PWA FORM 3407 10-58

PRATT & WHITNEY AIRCRAFT

CURVE NO T-1688
Sheet 10

ACCESSORY DRIVE PADS

[illegible]	A	POWER TAKE OFF
[illegible]	B	TACHOMETER MOUNTING PAD (N_1) (AND 20005 XYB)
[illegible]	C	TACHOMETER MOUNTING PAD (N_2) (AND 20005 XVR)
15C	D	HYDRAULIC PUMP (TWO)(AS 46A M)

FUEL DRAIN

15B, 17B	FD1	COMBUSTION CHAMBER FUEL DRAIN
18B, 21B	FD2	DUMP VALVE DRAIN (GAS GENERATOR)
13A, 17A	FD3	DUMP VALVE DRAIN (DUCT HEATER ZONE I AND ZONE II)

FUEL FLOW

13A, 18E, 21E	F1	FUEL PUMP & DUCT HEATER PUMP SUPPLY INLET
14B, 16A	F2	MAIN FUEL FLOWMETER SUPPLY INLET
18B, 20B	F3	MAIN FUEL FLOWMETER SUPPLY OUTLET
19D, 21D	F4	DUCT HEATER FUEL FLOWMETER SUPPLY INLET
19D, 20D	F5	DUCT HEATER FUEL FLOWMETER SUPPLY OUTLET

FUEL PRESSURE

15C, 16C	FP1	FUEL PUMP INLET PRESSURE
14B, 17B	FP2	CHECK VALVE FUEL PRESSURE
15B, 16B	FP3	FUEL FILTER PRESSURE CONN (ELECTRICAL)

FUEL VENT

15C, 16C	FV1	FUEL PUMP OUTLET VENT

FUEL TEMPERATURE

[illegible]	FT1	FUEL INLET TEMP

OIL BREATHER

13D, 15D	LB1	MAIN OIL OVERBOARD BREATHER

OIL DRAIN

19D, 20D	LD1	OIL TANK DRAIN
19D, 20D	LD2	OIL TANK OVERFLOW DRAIN
[illegible]	LD3	OIL CUP OVERFLOW DRAIN
[illegible]	LD4	GEARBOX MAIN OIL DRAIN
[illegible]	LD5	OIL STRAINER DRAIN

OIL FLOW

19D, 21D	L1	OIL TANK REMOTE FILLER
19D, 20D	L2	OIL TANK MANUAL FILL

OIL PRESSURE

[illegible]	LP1	PRESSURE FOR TRANSMITTER
[illegible]	LP2	OIL FILTER INLET PRESSURE — PROVISION FOR PRESSURE DIFFERENTIAL
[illegible]	LP3	OIL FILTER OUTLET PRESSURE — PROVISION FOR PRESSURE DIFFERENTIAL

OIL TEMPERATURE

15C, 16C	LT1	MAIN OIL TEMP.

OIL VENT

15D, 16D	LV1	OIL PRESSURE TRANSMITTER VENT

SEAL DRAIN

14D, 15D	SD1	FUEL CONTROL SEAL DRAIN
14C, 16C	SD2	FUEL PUMP SEAL DRAIN
14C, 16C	SD3	HYDRAULIC PUMP SEAL DRAIN
18D, 20D	SD4	DUCT HEATER FUEL PUMP SEAL DRAIN

TEMPERATURE SENSING

18C, 21C	TT7	TURBINE EXIT TEMP. (AVG)
18C, 21C	ITT7	TURBINE EXIT TEMP. (INDIVIDUAL)

PRESSURE SENSING

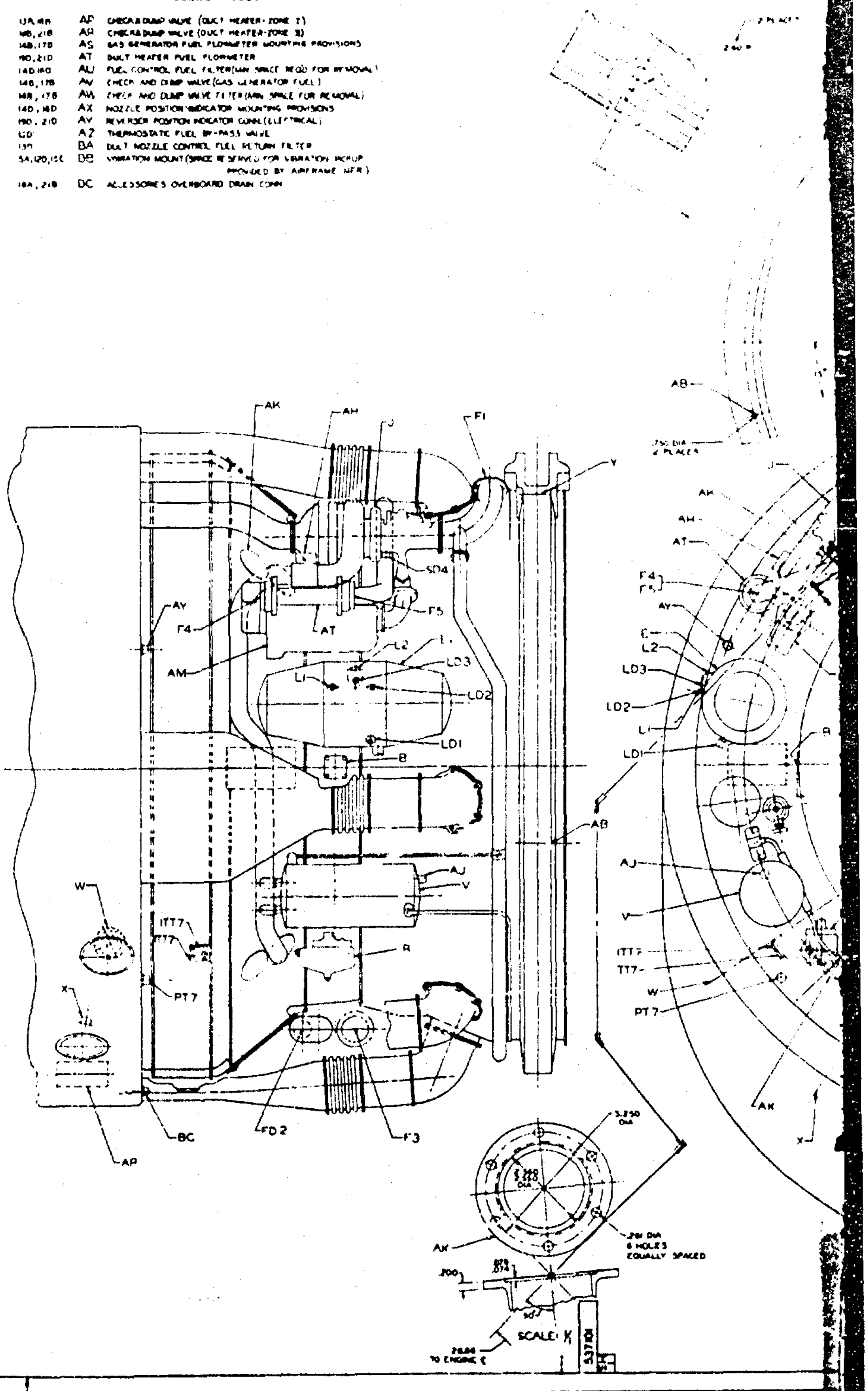
18B, 21B	PT7	TURBINE EXIT PRESSURE

MISCELLANEOUS

19D, 20D	E	OIL TANK
15B, 16C	F	GAS GENERATOR FUEL PUMP
[illegible]	G	FUEL PUMP FUEL FILTER (GAS GENERATOR FUEL)
15B, 16B	H	FUEL PUMP FUEL STRAINER (MIN SPACE FOR REMOVAL)
[illegible]	J	DUCT HEATER FUEL PUMP
13C, 15B	K	HYDRAULIC PUMP
[illegible]	L	OIL PUMP
[illegible]	M	OIL FILTER
14C, 16E	N	FUEL-OIL COOLER (GAS GENERATOR FUEL)
15C, 15D	P	GEARBOX
18C, 20B	R	AUTOMATIC RESTART SWITCH
13D, 15D	S	[illegible]
[illegible]	T	HIGH PRESSURE BLEED PAD
15D, 19D	U	FUEL & AUGMENTATION CONTROL
18B, 20C	V	EXCITER
13B, 16A, 22C	W	IGNITER PLUG-ENGINE (MIN SPACE FOR REMOVAL)
13B, 16A, 22B	X	IGNITER PLUG-DUCT (MIN SPACE FOR REMOVAL)
[illegible]	Y	ENGINE FRONT MOUNTING PROVISIONS
[illegible]	Z	ENGINE REAR MOUNTING PROVISIONS
13D, 15D	AA	FUEL RETURN TO SUPPLEMENTARY COOLING
[illegible]	AB	GROUND HANDLING HOLES (FRONT MOUNT)
9A	AC	GROUND HANDLING AREA (REAR)
15D, 16D	AD	POWER CONTROL LEVER (80° ANGLE OF TRAVEL)
15D, 16E	AE	SHUT-OFF LEVER (80° ANGLE OF TRAVEL)
15D, 16E	AF	APPROACH CONTROL LEVER (80° ANGLE OF TRAVEL)
14D, 16E	AG	CRUISE AIRFLOW CONTROL LEVER (80° ANGLE OF TRAVEL)
[illegible]	AH	AIR TURBINE VALVE DUCT HEATER FUEL PUMP
18C, 20C	AJ	IGNITION EXCITER ELECTRICAL CONN.
19D, 20A, 21C	AK	THERMAL ANTI-ICING PAD
15D, 16D	AL	AERODYNAMIC BRAKE CONTROL AIR SUPPLY CONN.
18D, 21D	AM	FUEL-OIL COOLER (DUCT HEATER FUEL)
14D, 16D	AN	DUCT NOZZLE POSITION FEEDBACK

MISCELLANEOUS

13B, 18B	AP	CHECK & DUMP VALVE (DUCT HEATER-ZONE I)
18B, 21B	AR	CHECK & DUMP VALVE (DUCT HEATER-ZONE II)
14B, 17B	AS	GAS GENERATOR FUEL FLOWMETER MOUNTING PROVISIONS
19D, 21D	AT	DUCT HEATER FUEL FLOWMETER
14D, 18D	AU	FUEL CONTROL FUEL FILTER (MIN SPACE REQD FOR REMOVAL)
14B, 17B	AV	CHECK AND DUMP VALVE (GAS GENERATOR FUEL)
14B, 17B	AW	CHECK AND DUMP VALVE FILTER (MIN SPACE FOR REMOVAL)
14D, 16D	AX	NOZZLE POSITION INDICATOR MOUNTING PROVISIONS
19D, 21D	AY	REVERSER POSITION INDICATOR CONN. (ELECTRICAL)
12D	AZ	THERMOSTATIC FUEL BY-PASS VALVE
13D	BA	DUCT NOZZLE CONTROL FUEL RETURN FILTER
5A, 12D, 15C	BB	VIBRATION MOUNT (SPACE RESERVED FOR VIBRATION PICKUP PROVIDED BY AIRFRAME MFR.)
18A, 21B	BC	ACCESSORIES OVERBOARD DRAIN CONN



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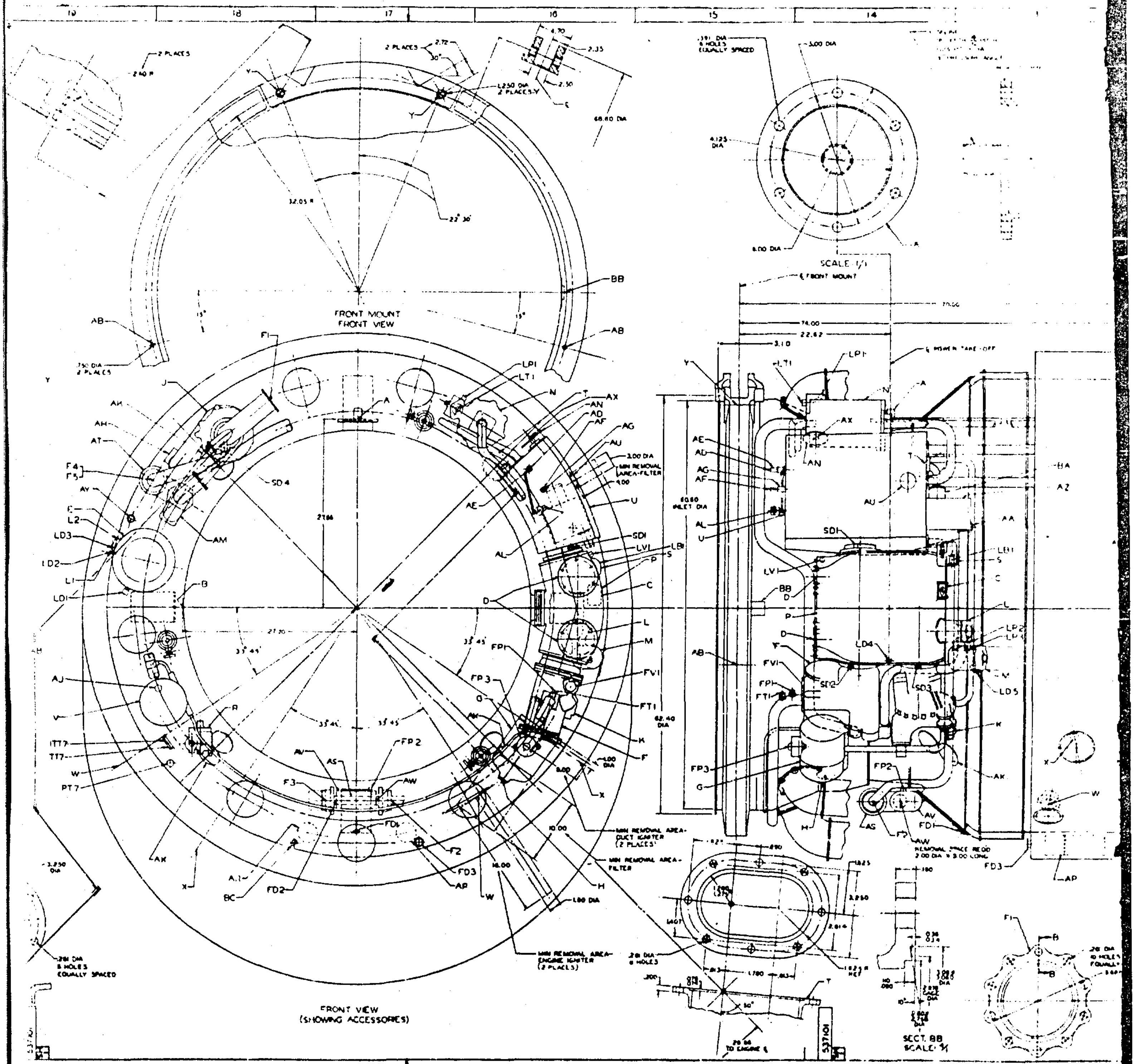

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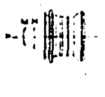
LIMIT LOADS FOR INLET FLANGE

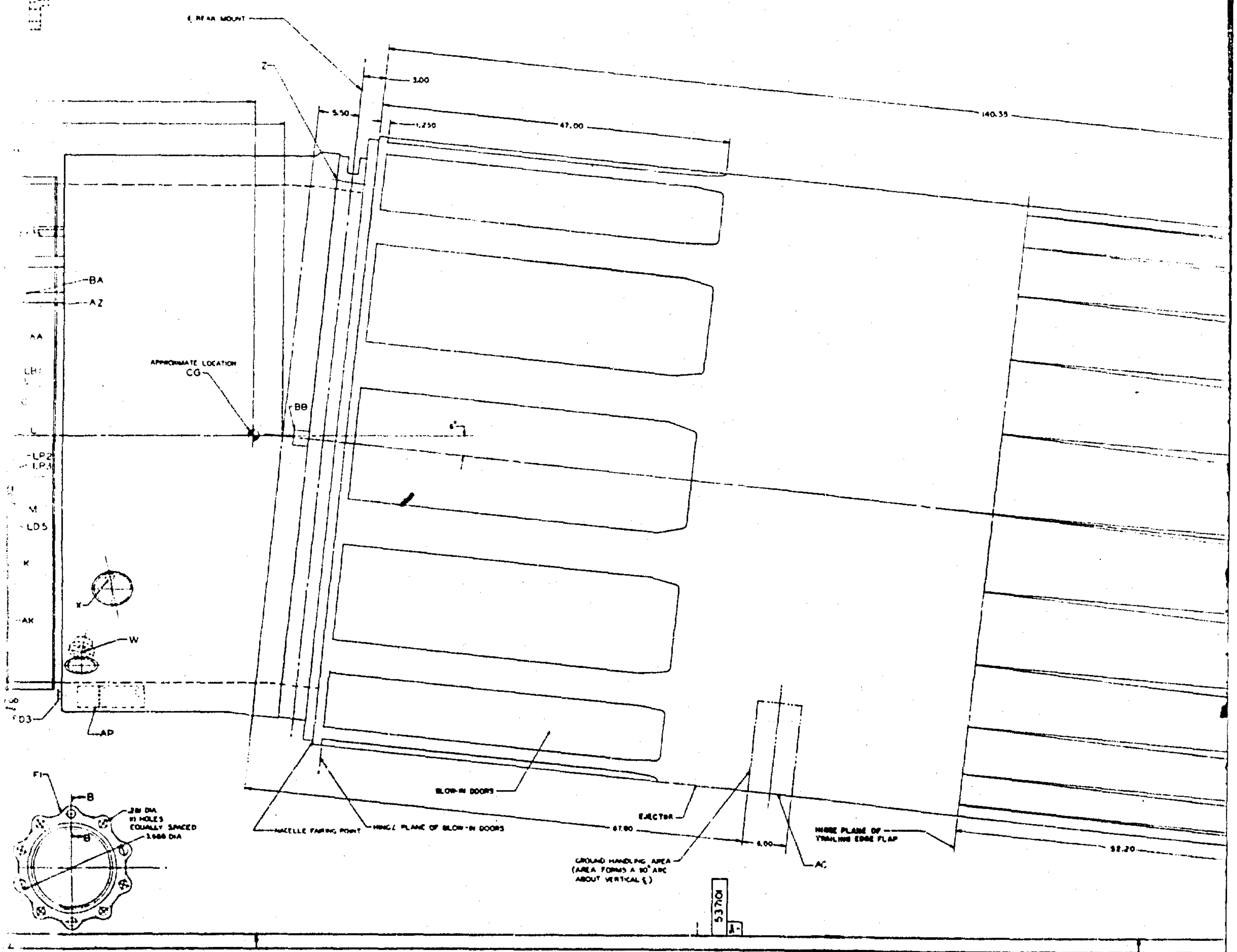


M = MOMENT IN PLANE CONTAINING ENGINE AXIS
H = LOAD PERPENDICULAR TO ENGINE AXIS
P = AXIAL LOAD
M = 1100000 LB IN.
H = 22300 LB
P = 21000 LB
MIN NO. BOLTS - 50 x .312 DIA

TORQUE & MOMENT LIMITATION TABLE - AC

DRIVE PAD	NOM USE	TORQUE (LB.-IN)			SPEED RATIO	N
		CONTINUOUS	OVERLOAD	STATIC		
A	POWER TAKE-OFF	1972	2960 □	7750 ⊕	2.520	N_2
B	TACH.	7	———	50	.500	N_2
C	TACH.	7	———	50	.888	N_1
D	HYD. PUMP	1027	1530	6300	.800	N_2

N_1 RATIO REFERS TO LOW PRESSURE COMPR-TURB UNIT SPEED
N_2 RATIO REFERS TO HIGH PRESSURE COMPR-TURB UNIT SPEED
MAX ALLOWABLE CONTINUOUS TORQUE VALUES ARE AT ANY ENGINE [illegible] SHOWN, PROVIDED NO DESTRUCTIVE FORCES RESULTING FROM ACCESS[illegible] ARE PRESENT.
MAX ALLOWABLE OVERHUNG BENDING MOMENTS OF ACCESSORIES [illegible] SHOWN, PROVIDED NO DESTRUCTIVE FORCES RESULTING FROM ACC[illegible]
□ MAX ALLOWABLE FOR 5 MINUTE DURATION [illegible]
⊕ A.T.S. PAD SHALL HAVE ADEQUATE STRENGTH TO ACCOMMODATE A [illegible] FT. LB. STARTER DRIVE SHEAR SECTION SHALL FAIL AT A STATIC [illegible] FT. LB. AT P.T.O. PAD



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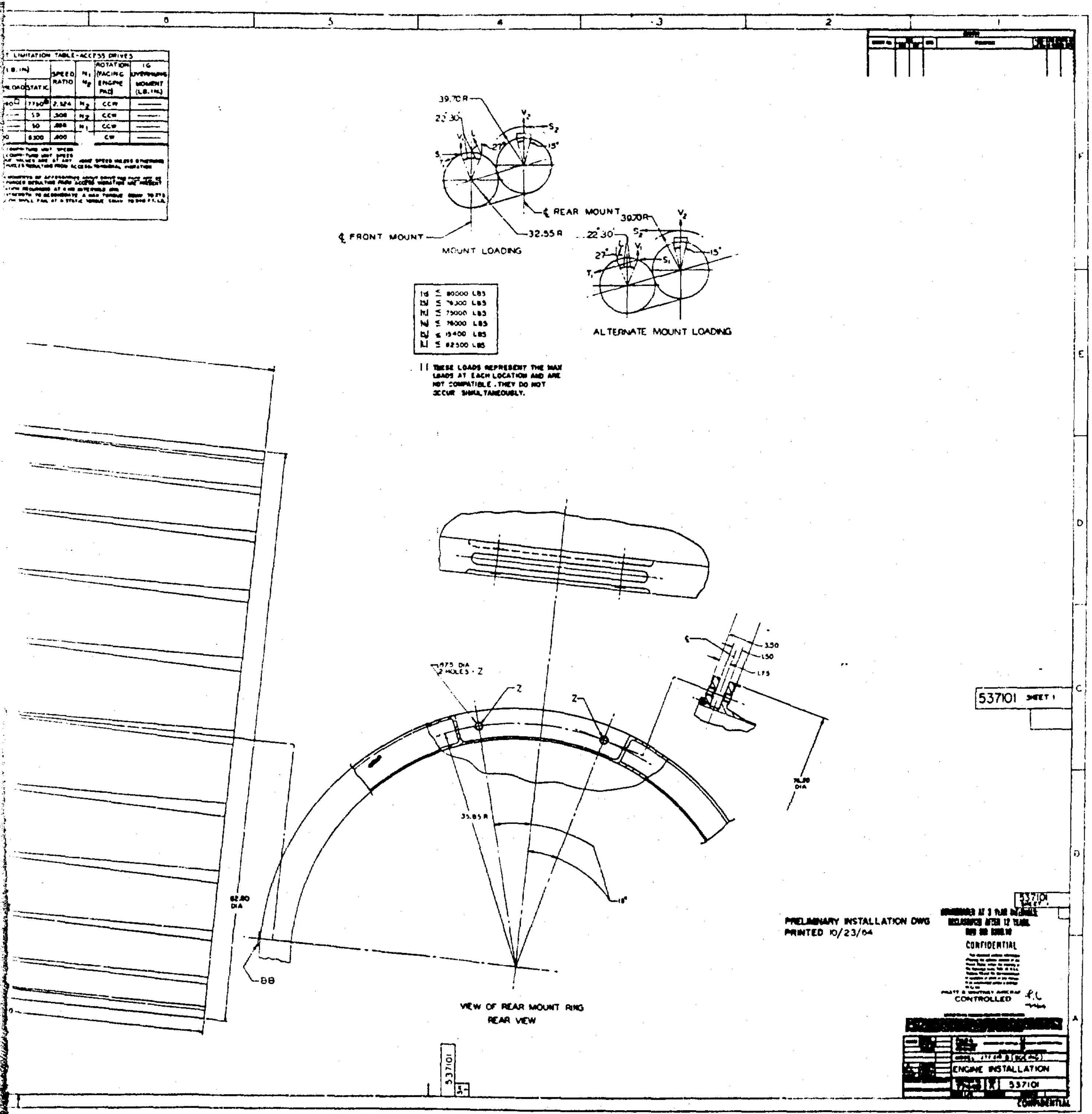

T LIMITATION TABLE-ACCESS DRIVES

(LB.IN)		SPEED RATIO	N1 N2	ROTATION (FACING ENGINE PAD)	1G OVERHUNG MOMENT (LB.IN)
LOAD	STATIC				
40□	7750	2.324	N2	CCW	———
———	50	.500	N2	CCW	———
———	50	.888	N1	CCW	———
0	8300	.600		CW	———

COMP-TURB UNIT SPEED
COMP-TURB UNIT SPEED
[illegible] VALUES ARE AT ANY [illegible] SPEED UNLESS OTHERWISE
[illegible] RESULTING FROM ACCESSORY [illegible] VIBRATION

[illegible]

[illegible]	≤	80000 LBS
[illegible]	≤	76300 LBS
[illegible]	≤	75000 LBS
[illegible]	≤	78000 LBS
[illegible]	≤	19400 LBS
[illegible]	≤	82500 LBS

[ ] THESE LOADS REPRESENT THE MAX LOADS AT EACH LOCATION AND ARE NOT COMPATIBLE. THEY DO NOT OCCUR SIMULTANEOUSLY.

PRELIMINARY INSTALLATION DWG
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537101

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[illegible]

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